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(Unclassified)

**DRAFT**

**Software Maintenance Manual**  
  
**for the**  
  
**Consolidated Serviceable Inventory**  
**Visibility and Management Tool**  
**(CSIViz)**

Prepared for  
  
MSG/SHS  
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31 May 1997

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## **INTRODUCTION**

### **Purpose of the Software Maintenance Manual**

The purpose of this Software Maintenance Manual (SMM) for the Consolidated Serviceable Inventory Visibility and Management Tool (CSIViz) is to provide maintenance programmer personnel with the information necessary to effectively maintain and modify the User Program. CSIViz contains a primary program engine, CV\_USER.MDB, that includes the necessary functions to execute the User Program. This SMM examines this program engine by listing the Table Definitions and Module Descriptions associated with the database. In addition, ERWin diagrams examining the relationships within the User Program and central and local databases are included. A basic understanding of table and module design is assumed.

### **Terms and Abbreviations**

SMM – Software Maintenance Manual

CSIViz – Consolidated Serviceable Inventory Visibility and Management Tool

DREP – Depot Repair Enhancement Program

SRAN – Stock Record Account Number

ALC – Air Logistics Center

## **SYSTEM DESCRIPTION**

### **System Application**

CSIViz is used to support shop personnel and item managers in daily functions relating to the Depot Repair Enhancement Program (DREP). CSIViz was designed to be functional in three areas: level setting, take-action checking, and data analysis. The level-setting function provides the user with the tools to determine appropriate inventory levels. Recommended levels are calculated using user-specified parameters, and an explanation of the results is provided. Visibility into the current levels is provided, along with a history of previous level settings. The take-action checking function provides an early warning system for Air Force repair/supply system changes and problems, thus facilitating management-by-exception. The user can specify which metrics are to be tested, the time period to be tested, and the trigger levels. Flags for individual items can be turned off for a specified time period. Flags can be used



to launch data analysis screens that are automatically initialized to highlight the problem as well as to display the take-action trigger levels. The data analysis function provides interactive analysis screens for the data and metrics that influence depot inventory levels or that indicate inventory problems or cost-reduction potential. Data can be rolled-up, drilled-down, and sorted by item, subgroup master, item manager, month, week, day, SRAN, region, metric value, and transaction. Transactions that have an inappropriate amount of influence on metric calculations can be isolated and temporarily excluded individually. CSIViz provides a decision-support tool to facilitate management of recoverable inventory and depot repair processes. The data are used to initiate action for continuous logistics process improvements such as adjusting shop capacity, initiating procurements, improving the shipping and handling process, improving data processing, and correcting one-time errors.

### **System Organization**

The central database supporting CSIViz resides at each ALC and is updated, via a System Administrator Program, with daily distribution files provided by Synergy. Rebuilds of the central databases are performed weekly. The User Program is then alerted that data updates have been made to the central database and that the local databases should be updated accordingly.

## CSIViz: CV\_USER.MDB

### Table Definitions

tblModificationHistory	tblLdbLevelHistory
tbl_deAicList	tblLdbNsnData
tbl_deBlank	tblLdbRepairTime
tbl_deCurrentLdbDef	tblLdbRetroPipe
tbl_ivCalculations	tblLdbSgmData
tbl_IdHistTables	tblLdbSrans
tbl_IsCalcCodeDefs	tblLdbUpdateInfo
tbl_taDateRange	tblStaticVars
tbl_taFlagDeferments	tblTemp_deSorList
tbl_taMetricDates	tblTemp_dmHistoryRollup
tbl_taMetricDefs	tblTemp_dmHistoryRollupNonNull
tbl_taMetricsDefsDefault	tblTemp_dmSelection
tbl_taMetricDefsLastUsed	tblTemp_ieHistoryRollup
tbl_taMetricDefsOriginalDefault	tblTemp_ieHistoryRollupNonNull
tbl_taMetricDefsPrevDefault	tblTemp_ieSelection
tbl_taTestDefsXXX	tblTemp_ivHistoryRollupMultiLine
tbl_twSortOptions	tblTemp_ivHistoryRollupRangeBar
tbl_twSortOptionsNonRollups	tblTemp_ivHistoryRollupValueBar
tbl_twSortOptionsRollups	tblTemp_ivSelection
tbl_twSortSelection	tblTemp_IdNiinsAdd
tblDataTableDefs	tblTemp_IdNiinsDelete
tblLauxBases	tblTemp_IdSransAdd
tblLauxIsmData	tblTemp_IdSransDelete
tblLauxLdbDefs	tblTemp_IdUpdatedNiins
tblLauxNewLevels	tblTemp_IdUpdatedSrans
tblLauxNsnData	tblTemp_IsLastConstraintDate
tblLauxPssdData	tblTemp_IsLastExcessDate
tblLauxRccData	tblTemp_IsLastLevelChange
tblLauxRccIsmXRef	tblTemp_IsMinNetCsi
tblLauxSgmData	tblTemp_IsNewLevels
tblLauxShopData	tblTemp_rsHistoryRollup
tblLauxSrans	tblTemp_rsHistoryRollupNonNull
tblLauxUpdateInfo	tblTemp_rsSelection
tblLdbAcquisitions	tblTemp_taBreachData
tblLdbBases	tblTemp_taTakeActionLines
tblLdbCsiPipe	tblTemp_taTalData
tblLdbDailyLevels	tblTemp_twSelectedNiins
tblLdbDemands	tblTemp_twSelectedSrans
tblLdbInductPipe	tblToolNames
tblLdbInventory	tblToolNamesOriginalXXX

**Properties**

Date Created:	1/23/96 9:07:53 PM	Def. Updatable:	Yes
Last Updated:	12/13/96 1:38:02 PM	Record Count:	118

**Columns**

Name	Type	Size
Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	1	
Column Width:	960	
Data Updatable:	No	
Default Value:	Now()	
Format:	Short Date	
Ordinal Position:	0	
Required:	No	
Source Field:	Date	
Source Table:	_tblModificationHistory	
Validate On Set:	No	
ByWhom	Text	7
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	825	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	ByWhom	
Source Table:	_tblModificationHistory	
Validate On Set:	No	
Version	Text	10
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	825	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Version	
Source Table:	_tblModificationHistory	

Validate On Set:	No		
Objects Changed		Text	100
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	3510		
Data Updatable:	No		
Ordinal Position:	3		
Required:	No		
Source Field:	Objects Changed		
Source Table:	_tblModificationHistory		
Validate On Set:	No		
Description		Text	255
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	5730		
Data Updatable:	No		
Ordinal Position:	4		
Required:	No		
Source Field:	Description		
Source Table:	_tblModificationHistory		
Validate On Set:	No		

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 7/23/96 1:22:30 PM

Def. Updatable: Yes

Last Updated: 7/23/96 1:51:02 PM

Record Count: 5

**Columns**

Name	Type	Size
Symbol	Text	2
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Symbol	
Source Table:	tbl_deAlcList	
Validate On Set:	No	
City	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	City	
Source Table:	tbl_deAlcList	
Validate On Set:	No	
Base	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Base	
Source Table:	tbl_deAlcList	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 7/22/96 7:55:58 AM

Def. Updatable: Yes

Last Updated: 7/23/96 1:51:41 PM

Record Count: 1

**Columns**

Name	Type	Size
Blank	Text	3
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Blank	
Source Table:	tbl_deBlank	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 6/19/96 7:02:10 AM      Def. Updatable: Yes  
Last Updated: 7/24/96 8:41:06 AM      Record Count: 1

**Columns**

Name	Type	Size
<b>IdName</b>	Text	50
Allow Zero Length:	Yes	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Default Value:	"[ Unnamed ]"	
Ordinal Position:	1	
Required:	No	
Source Field:	IdName	
Source Table:	tbl_deCurrentLdbDef	
Validate On Set:	No	
Validation Rule:	Is Not Null Or <>""	
Validation Text:	A database name must be specified!	
<b>IdDescription</b>	Text	255
Allow Zero Length:	Yes	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	IdDescription	
Source Table:	tbl_deCurrentLdbDef	
Validate On Set:	No	
<b>IdWriteProtect</b>	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Default Value:	No	
Format:	Yes/No	
Ordinal Position:	3	



Required:	1		
Source Field:	IdWriteProtect		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdNoUpdates		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	No		
Format:	Yes/No		
Ordinal Position:	4		
Required:	1		
Source Field:	IdNoUpdates		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdSor		Text	50
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	IdSor		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdSorType		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	1		
Ordinal Position:	6		
Required:	1		
Source Field:	IdSorType		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdSos		Text	2
Allow Zero Length:	No		

Attributes: Variable Length  
Collating Order: General  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Ordinal Position: 7  
Required: No  
Source Field: IdSos  
Source Table: tbl\_deCurrentLdbDef  
Validate On Set: No

IdItemMgr Text 3

Allow Zero Length: No  
Attributes: Variable Length  
Collating Order: General  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Ordinal Position: 8  
Required: No  
Source Field: IdItemMgr  
Source Table: tbl\_deCurrentLdbDef  
Validate On Set: No

IdItemMgrType Number (Integer) 2

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Decimal Places: Auto  
Default Value: 1  
Ordinal Position: 9  
Required: 1  
Source Field: IdItemMgrType  
Source Table: tbl\_deCurrentLdbDef  
Validate On Set: No

IdWeapon Text 50

Allow Zero Length: No  
Attributes: Variable Length  
Collating Order: General  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Ordinal Position: 10  
Required: No  
Source Field: IdWeapon

Source Table:		tbl_deCurrentLdbDef	
Validate On Set:		No	
Idlsm		Text	9
Allow Zero Length:		No	
Attributes:		Variable Length	
Collating Order:		General	
Column Hidden:		No	
Column Order:		Default	
Column Width:		Default	
Data Updatable:		No	
Ordinal Position:		11	
Required:		No	
Source Field:		Idlsm	
Source Table:		tbl_deCurrentLdbDef	
Validate On Set:		No	
IdNsnGroup		Yes/No	1
Allow Zero Length:		No	
Attributes:		Fixed Size	
Collating Order:		Unknown or Undefined	
Column Hidden:		No	
Column Order:		Default	
Column Width:		Default	
Data Updatable:		No	
Format:		Yes/No	
Ordinal Position:		12	
Required:		No	
Source Field:		IdNsnGroup	
Source Table:		tbl_deCurrentLdbDef	
Validate On Set:		No	
IdNsnGroupName		Text	25
Allow Zero Length:		No	
Attributes:		Variable Length	
Collating Order:		General	
Column Hidden:		No	
Column Order:		Default	
Column Width:		Default	
Data Updatable:		No	
Ordinal Position:		13	
Required:		No	
Source Field:		IdNsnGroupName	
Source Table:		tbl_deCurrentLdbDef	
Validate On Set:		No	
IdMonths		Number (Integer)	2
Allow Zero Length:		No	
Attributes:		Fixed Size	
Collating Order:		Unknown or Undefined	
Column Hidden:		No	
Column Order:		Default	
Column Width:		Default	

Data Updatable:	No
Decimal Places:	Auto
Default Value:	12
Ordinal Position:	14
Required:	1
Source Field:	IdMonths
Source Table:	tbl_deCurrentLdbDef
Validate On Set:	No
Validation Rule:	>0 And <=24
Validation Text:	Enter the number of months between 1 and 24

IdEndingType	Number (Integer)	2
--------------	------------------	---

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	1
Ordinal Position:	15
Required:	1
Source Field:	IdEndingType
Source Table:	tbl_deCurrentLdbDef
Validate On Set:	No

IdEndingDate	Date/Time	8
--------------	-----------	---

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Ordinal Position:	16
Required:	No
Source Field:	IdEndingDate
Source Table:	tbl_deCurrentLdbDef
Validate On Set:	No

IdStartingDate	Date/Time	8
----------------	-----------	---

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Ordinal Position:	17
Required:	No
Source Field:	IdStartingDate
Source Table:	tbl_deCurrentLdbDef

Validate On Set:	No		
IdTransSource		Text	20
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	18		
Required:	No		
Source Field:	IdTransSource		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdTransSourceType		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	1		
Ordinal Position:	19		
Required:	1		
Source Field:	IdTransSourceType		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdRepairLoc		Text	5
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	20		
Required:	No		
Source Field:	IdRepairLoc		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdRepairLocType		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		

Data Updatable: No  
Decimal Places: Auto  
Ordinal Position: 21  
Required: No  
Source Field: IdRepairLocType  
Source Table: tbl\_deCurrentLdbDef  
Validate On Set: No

IdShipTimes

Yes/No

1

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Default Value: Yes  
Format: Yes/No  
Ordinal Position: 22  
Required: 1  
Source Field: IdShipTimes  
Source Table: tbl\_deCurrentLdbDef  
Validate On Set: No

IdDemands

Yes/No

1

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Default Value: Yes  
Format: Yes/No  
Ordinal Position: 23  
Required: 1  
Source Field: IdDemands  
Source Table: tbl\_deCurrentLdbDef  
Validate On Set: No

IdInventory

Yes/No

1

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Default Value: Yes  
Format: Yes/No  
Ordinal Position: 24  
Required: 1  
Source Field: IdInventory

Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdShopTimes		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	Yes		
Format:	Yes/No		
Ordinal Position:	25		
Required:	1		
Source Field:	IdShopTimes		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		
IdProcurementData		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	Yes		
Format:	Yes/No		
Ordinal Position:	26		
Required:	1		
Source Field:	IdProcurementData		
Source Table:	tbl_deCurrentLdbDef		
Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner

Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



Properties

Date Created: 1/23/96 9:07:57 PM

Def. Updatable: Yes

Last Updated: 4/3/96 2:20:36 PM

Record Count: 7

Columns

Name	Type	Size
CalcId	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	CalcId	
Source Table:	tbl_ivCalculations	
Validate On Set:	No	
CalcName	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	CalcName	
Source Table:	tbl_ivCalculations	
Validate On Set:	No	
SgmOnly	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	3	
Required:	No	
Source Field:	SgmOnly	

Source Table:	tbl_ivCalculations	
Validate On Set:	No	
FieldName	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	
Source Field:	FieldName	
Source Table:	tbl_ivCalculations	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 8/3/96 8:47:44 AM      Def. Updatable: Yes  
Last Updated: 8/3/96 2:27:51 PM      Record Count: 7

**Columns**

Name	Type	Size
TableName	Text	120
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	TableName	
Source Table:	tbl_IdHistTables	
Validate On Set:	No	
DateField	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	DateField	
Source Table:	tbl_IdHistTables	
Validate On Set:	No	
StartDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Description:	Temp scrch when calculating historical range	
Ordinal Position:	3	
Required:	No	
Source Field:	StartDate	
Source Table:	tbl_IdHistTables	
Validate On Set:	No	

EndDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Description:	Temp scrch when calculating historical range	
Ordinal Position:	4	
Required:	No	
Source Field:	EndDate	
Source Table:	tbl_IdHistTables	
Validate On Set:	No	
LimitEnd	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	5	
Required:	No	
Source Field:	LimitEnd	
Source Table:	tbl_IdHistTables	
Validate On Set:	No	
SranField	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	6	
Required:	No	
Source Field:	SranField	
Source Table:	tbl_IdHistTables	
Validate On Set:	No	
NiinField	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	7	

Required:	No
Source Field:	NiinField
Source Table:	tbl_IdHistTables
Validate On Set:	No

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	7
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	TableName, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	1/23/96 9:07:58 PM	Def. Updatable:	Yes
Last Updated:	2/9/96 11:28:54 AM	Record Count:	10

**Columns**

Name	Type	Size
calcCode	Text	1
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	1	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	calcCode	
Source Table:	tbl_IsCalcCodeDefs	
Validate On Set:	No	
definition	Text	100
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	4515	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	definition	
Source Table:	tbl_IsCalcCodeDefs	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	12/6/96 11:23:27 AM	Def. Updatable:	Yes
Last Updated:	12/6/96 11:23:27 AM	Record Count:	0

**Columns**

Name	Type	Size
StartDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	StartDate	
Source Table:	tbl_taDateRange	
Validate On Set:	No	
EndDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	EndDate	
Source Table:	tbl_taDateRange	
Validate On Set:	No	
Validation Rule:	<=Date()	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	



**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 1/23/96 9:07:59 PM      Def. Updatable: Yes  
Last Updated: 1/23/96 9:07:59 PM      Record Count: 0

**Columns**

Name	Type	Size
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	sgm	
Source Table:	tbl_taFlagDeferments	
Validate On Set:	No	
restartDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	restartDate	
Source Table:	tbl_taFlagDeferments	
Validate On Set:	No	
person	Text	6
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	person	
Source Table:	tbl_taFlagDeferments	
Validate On Set:	No	

reason		Text	250
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	3		
Required:	No		
Source Field:	reason		
Source Table:	tbl_taFlagDeferments		
Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 12/6/96 9:55:04 PM      Def. Updatable: Yes  
Last Updated: 12/6/96 10:05:41 PM      Record Count: 0

**Columns**

Name	Type	Size
index	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	index	
Source Table:	tbl_taMetricDates	
Validate On Set:	No	
StartDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	StartDate	
Source Table:	tbl_taMetricDates	
Validate On Set:	No	
EndDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	EndDate	
Source Table:	tbl_taMetricDates	

Validate On Set: No

**Table Indexes**

Name	Number of Fields
index	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	index
Primary:	No
Required:	No
Unique:	No
Fields:	index, Ascending
StartDate	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	StartDate
Primary:	No
Required:	No
Unique:	No
Fields:	StartDate, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

Date Created:	1/23/96 9:07:59 PM	Def. Updatable:	Yes
Last Updated:	12/5/96 11:10:35 AM	Record Count:	12
Validation Rule:	[stdDev1]>0 And [stdDev2]>[stdDev1] And [stdDev2]<5		

Name	Type	Size
index	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	870	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	index	
Source Table:	tbl_taMetricDefs	
Validate On Set:	No	
name	Text	15
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Description:	Used to form query name	
Ordinal Position:	2	
Required:	No	
Source Field:	name	
Source Table:	tbl_taMetricDefs	
Validate On Set:	No	
description	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	2265	
Data Updatable:	No	
Ordinal Position:	3	

Required:	No		
Source Field:	description		
Source Table:	tbl_taMetricDefs		
Validate On Set:	No		
sourceTable		Text	30
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Description:	Used to determine available data		
Ordinal Position:	4		
Required:	No		
Source Field:	sourceTable		
Source Table:	tbl_taMetricDefs		
Validate On Set:	No		
valPercent		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	915		
Data Updatable:	No		
Description:	Is the value measured in percent vs rate or quantity		
Format:	Yes/No		
Ordinal Position:	5		
Required:	No		
Source Field:	valPercent		
Source Table:	tbl_taMetricDefs		
Validate On Set:	No		
enableDaily		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	Yes		
Format:	Yes/No		
Ordinal Position:	6		
Required:	1		
Source Field:	enableDaily		
Source Table:	tbl_taMetricDefs		
Validate On Set:	No		
enableWeekly		Yes/No	1

	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Default Value:	Yes	
	Format:	Yes/No	
	Ordinal Position:	7	
	Required:	1	
	Source Field:	enableWeekly	
	Source Table:	tbl_taMetricDefs	
	Validate On Set:	No	
enableMonthly		Yes/No	1
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Default Value:	Yes	
	Format:	Yes/No	
	Ordinal Position:	8	
	Required:	1	
	Source Field:	enableMonthly	
	Source Table:	tbl_taMetricDefs	
	Validate On Set:	No	
installed		Yes/No	1
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	1020	
	Data Updatable:	No	
	Format:	Yes/No	
	Ordinal Position:	9	
	Required:	No	
	Source Field:	installed	
	Source Table:	tbl_taMetricDefs	
	Validate On Set:	No	
stdDev1		Number (Single)	4
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	1140	



	Data Updatable:	No	
	Decimal Places:	Auto	
	Default Value:	2	
	Description:	This may be user settable. Should be less than stdDev2.	
	Ordinal Position:	10	
	Required:	No	
	Source Field:	stdDev1	
	Source Table:	tbl_taMetricDefs	
	Validate On Set:	No	
	Validation Rule:	>0 And <5	
stdDev2		Number (Single)	4
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	1095	
	Data Updatable:	No	
	Decimal Places:	Auto	
	Default Value:	0	
	Description:	Nominally 3. This probably wont be user settable	
	Ordinal Position:	11	
	Required:	No	
	Source Field:	stdDev2	
	Source Table:	tbl_taMetricDefs	
	Validate On Set:	No	
	Validation Rule:	>0 And <5	
qtyFill		Yes/No	1
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	1005	
	Data Updatable:	No	
	Description:	If yes, then a data fill of 0 needs to be done for value every time period.	
	Format:	Yes/No	
	Ordinal Position:	12	
	Required:	No	
	Source Field:	qtyFill	
	Source Table:	tbl_taMetricDefs	
	Validate On Set:	No	
checkDays		Number (Integer)	2
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	

Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	13
Required:	No
Source Field:	checkDays
Source Table:	tbl_taMetricDefs
Validate On Set:	No
Validation Rule:	>0 And <=30

checkWeeks	Number (Integer)	2
------------	------------------	---

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	14
Required:	No
Source Field:	checkWeeks
Source Table:	tbl_taMetricDefs
Validate On Set:	No
Validation Rule:	>0 And <10

checkMonths	Number (Integer)	2
-------------	------------------	---

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	15
Required:	No
Source Field:	checkMonths
Source Table:	tbl_taMetricDefs
Validate On Set:	No
Validation Rule:	>0 And <4

minHistoryMonths	Number (Integer)	2
------------------	------------------	---

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No

Decimal Places:	Auto		
Default Value:	0		
Description:	Won't set a TAL unless this much history is available		
Ordinal Position:	16		
Required:	No		
Source Field:	minHistoryMonths		
Source Table:	tbl_taMetricDefs		
Validate On Set:	No		
maxHistoryMonths	Number (Integer)	2	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Description:	Won't look beyond this point for settign TALs		
Ordinal Position:	17		
Required:	No		
Source Field:	maxHistoryMonths		
Source Table:	tbl_taMetricDefs		
Validate On Set:	No		
toolShortName	Text	3	
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Description:	Which tool window will be launched for analysis		
Ordinal Position:	18		
Required:	No		
Source Field:	toolShortName		
Source Table:	tbl_taMetricDefs		
Validate On Set:	No		
toolOption	Number (Integer)	2	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	19		
Required:	1		

Source Field:	toolOption
Source Table:	tbl_taMetricDefs
Validate On Set:	No

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	12
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	index, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	11/27/96 12:04:11 PM	Def. Updatable:	Yes
Last Updated:	11/27/96 12:04:22 PM	Record Count:	12

**Columns**

Name	Type	Size
index	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	870	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	index	
Source Table:	tbl_taMetricDefsDefault	
Validate On Set:	No	
enableDaily	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Default Value:	Yes	
Format:	Yes/No	
Ordinal Position:	1	
Required:	1	
Source Field:	enableDaily	
Source Table:	tbl_taMetricDefsDefault	
Validate On Set:	No	
enableWeekly	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Default Value:	Yes	
Format:	Yes/No	

Ordinal Position:	2		
Required:	1		
Source Field:	enableWeekly		
Source Table:	tbl_taMetricDefsDefault		
Validate On Set:	No		
enableMonthly		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	Yes		
Format:	Yes/No		
Ordinal Position:	3		
Required:	1		
Source Field:	enableMonthly		
Source Table:	tbl_taMetricDefsDefault		
Validate On Set:	No		
stdDev1		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1140		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	2		
Description:	This may be user settable. Should be less than stdDev2.		
Ordinal Position:	4		
Required:	No		
Source Field:	stdDev1		
Source Table:	tbl_taMetricDefsDefault		
Validate On Set:	No		
stdDev2		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1095		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Description:	Nominally 3. This probably wont be user settable		
Ordinal Position:	5		
Required:	No		
Source Field:	stdDev2		

Source Table:	tbl_taMetricDefsDefault	
Validate On Set:	No	
checkDays	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	6	
Required:	No	
Source Field:	checkDays	
Source Table:	tbl_taMetricDefsDefault	
Validate On Set:	No	
checkWeeks	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	7	
Required:	No	
Source Field:	checkWeeks	
Source Table:	tbl_taMetricDefsDefault	
Validate On Set:	No	
checkMonths	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	8	
Required:	No	
Source Field:	checkMonths	
Source Table:	tbl_taMetricDefsDefault	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	12
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	index, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Date Created:	1/23/96 9:08:01 PM	Def. Updatable:	Yes
Last Updated:	1/23/96 9:08:02 PM	Record Count:	12

**Columns**

Name	Type	Size
index	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	870	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	index	
Source Table:	tbl_taMetricDefsLastUsed	
Validate On Set:	No	
enableDaily	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Default Value:	Yes	
Format:	Yes/No	
Ordinal Position:	1	
Required:	1	
Source Field:	enableDaily	
Source Table:	tbl_taMetricDefsLastUsed	
Validate On Set:	No	
enableWeekly	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Default Value:	Yes	
Format:	Yes/No	

Ordinal Position:	2		
Required:	1		
Source Field:	enableWeekly		
Source Table:	tbl_taMetricDefsLastUsed		
Validate On Set:	No		
enableMonthly		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	Yes		
Format:	Yes/No		
Ordinal Position:	3		
Required:	1		
Source Field:	enableMonthly		
Source Table:	tbl_taMetricDefsLastUsed		
Validate On Set:	No		
stdDev1		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1140		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	2		
Description:	This may be user settable. Should be less than stdDev2.		
Ordinal Position:	4		
Required:	No		
Source Field:	stdDev1		
Source Table:	tbl_taMetricDefsLastUsed		
Validate On Set:	No		
stdDev2		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1095		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Description:	Nominally 3. This probably wont be user settable		
Ordinal Position:	5		
Required:	No		
Source Field:	stdDev2		

Source Table:	tbl_taMetricDefsLastUsed		
Validate On Set:	No		
checkDays		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	6		
Required:	No		
Source Field:	checkDays		
Source Table:	tbl_taMetricDefsLastUsed		
Validate On Set:	No		
checkWeeks		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	7		
Required:	No		
Source Field:	checkWeeks		
Source Table:	tbl_taMetricDefsLastUsed		
Validate On Set:	No		
checkMonths		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	8		
Required:	No		
Source Field:	checkMonths		
Source Table:	tbl_taMetricDefsLastUsed		
Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	12
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	index, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	11/27/96 11:30:02 AM	Def. Updatable:	Yes
Last Updated:	11/27/96 11:30:02 AM	Record Count:	12

**Columns**

Name	Type	Size
index	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: 870		
Data Updatable: No		
Decimal Places: Auto		
Default Value: 0		
Ordinal Position: 1		
Required: No		
Source Field: index		
Source Table: tbl_taMetricDefsOriginalDefault		
Validate On Set: No		
enableDaily	Yes/No	1
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Default Value: Yes		
Format: Yes/No		
Ordinal Position: 2		
Required: 1		
Source Field: enableDaily		
Source Table: tbl_taMetricDefsOriginalDefault		
Validate On Set: No		
enableWeekly	Yes/No	1
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Default Value: Yes		
Format: Yes/No		

Ordinal Position:	3		
Required:	1		
Source Field:	enableWeekly		
Source Table:	tbl_taMetricDefsOriginalDefault		
Validate On Set:	No		
enableMonthly		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	Yes		
Format:	Yes/No		
Ordinal Position:	4		
Required:	1		
Source Field:	enableMonthly		
Source Table:	tbl_taMetricDefsOriginalDefault		
Validate On Set:	No		
stdDev1		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1140		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	2		
Description:	This may be user settable. Should be less than stdDev2.		
Ordinal Position:	5		
Required:	No		
Source Field:	stdDev1		
Source Table:	tbl_taMetricDefsOriginalDefault		
Validate On Set:	No		
stdDev2		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1095		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Description:	Nominally 3. This probably wont be user settable		
Ordinal Position:	6		
Required:	No		
Source Field:	stdDev2		

Source Table:	tbl_taMetricDefsOriginalDefault	
Validate On Set:	No	
checkDays	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	7	
Required:	No	
Source Field:	checkDays	
Source Table:	tbl_taMetricDefsOriginalDefault	
Validate On Set:	No	
checkWeeks	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	8	
Required:	No	
Source Field:	checkWeeks	
Source Table:	tbl_taMetricDefsOriginalDefault	
Validate On Set:	No	
checkMonths	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	9	
Required:	No	
Source Field:	checkMonths	
Source Table:	tbl_taMetricDefsOriginalDefault	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	12
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	index, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Date Created:	11/30/96 6:56:49 PM	Def. Updatable:	Yes
Last Updated:	11/30/96 6:57:24 PM	Record Count:	12

**Columns**

Name	Type	Size
index	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: 870		
Data Updatable: No		
Decimal Places: Auto		
Default Value: 0		
Ordinal Position: 1		
Required: No		
Source Field: index		
Source Table: tbl_taMetricDefsPrevDefault		
Validate On Set: No		
enableDaily	Yes/No	1
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Default Value: Yes		
Format: Yes/No		
Ordinal Position: 2		
Required: 1		
Source Field: enableDaily		
Source Table: tbl_taMetricDefsPrevDefault		
Validate On Set: No		
enableWeekly	Yes/No	1
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Default Value: Yes		
Format: Yes/No		

Ordinal Position:	3		
Required:	1		
Source Field:	enableWeekly		
Source Table:	tbl_taMetricDefsPrevDefault		
Validate On Set:	No		
enableMonthly		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Default Value:	Yes		
Format:	Yes/No		
Ordinal Position:	4		
Required:	1		
Source Field:	enableMonthly		
Source Table:	tbl_taMetricDefsPrevDefault		
Validate On Set:	No		
stdDev1		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1140		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	2		
Description:	This may be user settable. Should be less than stdDev2.		
Ordinal Position:	5		
Required:	No		
Source Field:	stdDev1		
Source Table:	tbl_taMetricDefsPrevDefault		
Validate On Set:	No		
stdDev2		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1095		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Description:	Nominally 3. This probably wont be user settable		
Ordinal Position:	6		
Required:	No		
Source Field:	stdDev2		

Source Table:	tbl_taMetricDefsPrevDefault		
Validate On Set:	No		
checkDays		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	7		
Required:	No		
Source Field:	checkDays		
Source Table:	tbl_taMetricDefsPrevDefault		
Validate On Set:	No		
checkWeeks		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	8		
Required:	No		
Source Field:	checkWeeks		
Source Table:	tbl_taMetricDefsPrevDefault		
Validate On Set:	No		
checkMonths		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	9		
Required:	No		
Source Field:	checkMonths		
Source Table:	tbl_taMetricDefsPrevDefault		
Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	12
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	index, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	1/23/96 9:08:02 PM	Def. Updatable:	Yes
Last Updated:	3/14/96 2:49:59 PM	Record Count:	22
Row Height:	210		

**Columns**

Name	Type	Size
metric	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	1080	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	metric	
Source Table:	tbl_taTestDefsXXX	
Validate On Set:	No	
index	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	930	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	index	
Source Table:	tbl_taTestDefsXXX	
Validate On Set:	No	
name	Text	8
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	

	Required:	No		
	Source Field:	name		
	Source Table:	tbl_taTestDefsXXX		
	Validate On Set:	No		
label			Text	30
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Ordinal Position:	3		
	Required:	No		
	Source Field:	label		
	Source Table:	tbl_taTestDefsXXX		
	Validate On Set:	No		
lowTal			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	lowTal		
	Source Table:	tbl_taTestDefsXXX		
	Validate On Set:	No		
highTal			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	highTal		
	Source Table:	tbl_taTestDefsXXX		
	Validate On Set:	No		
lowTalDefault			Number (Single)	4
	Allow Zero Length:	No		

Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	6
Required:	No
Source Field:	lowTalDefault
Source Table:	tbl_taTestDefsXXX
Validate On Set:	No

highTalDefault

Number (Single)

4

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	7
Required:	No
Source Field:	highTalDefault
Source Table:	tbl_taTestDefsXXX
Validate On Set:	No

Table Indexes

Name	Number of Fields
PrimaryKey	2
Clustered:	No
Distinct Count:	22
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	metric, Ascending index, Ascending

User Permissions

admin  
Analyst

God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Date Created: 3/27/96 7:23:17 AM  
Last Updated: 4/3/96 7:11:10 AM

Def. Updatable: Yes  
Record Count: 31

**Columns**

Name	Type	Size
toolId	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	1	
Column Width:	690	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	toolId	
Source Table:	tbl_twSortOptions	
Validate On Set:	No	
toolMode	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	840	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Description:	Currently only needed for inventory	
Ordinal Position:	2	
Required:	No	
Source Field:	toolMode	
Source Table:	tbl_twSortOptions	
Validate On Set:	No	
sortId	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	750	
Data Updatable:	No	
Ordinal Position:	3	

Required:	No		
Source Field:	sortId		
Source Table:	tbl_twSortOptions		
Validate On Set:	No		
ascending1		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1035		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	4		
Required:	No		
Source Field:	ascending1		
Source Table:	tbl_twSortOptions		
Validate On Set:	No		
ascending2		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1200		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	5		
Required:	No		
Source Field:	ascending2		
Source Table:	tbl_twSortOptions		
Validate On Set:	No		
label		Text	30
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1125		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	label		
Source Table:	tbl_twSortOptions		
Validate On Set:	No		
transOpt		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		

Column Hidden:	No
Column Order:	Default
Column Width:	870
Data Updatable:	No
Default Value:	No
Format:	Yes/No
Ordinal Position:	7
Required:	No
Source Field:	transOpt
Source Table:	tbl_twSortOptions
Validate On Set:	No

nonTransOpt	Yes/No	1
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Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	990
Data Updatable:	No
Default Value:	Yes
Format:	Yes/No
Ordinal Position:	8
Required:	No
Source Field:	nonTransOpt
Source Table:	tbl_twSortOptions
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 3/29/96 7:29:59 AM  
Last Updated: 4/3/96 1:34:39 PM  
Row Height: 210

Def. Updatable: Yes  
Record Count: 50

**Columns**

Name	Type	Size
toolId	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	1	
Column Width:	690	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	toolId	
Source Table:	tbl_twSortOptionsNonRollups	
Validate On Set:	No	
toolMode	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	840	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Description:	Currently only needed for inventory	
Ordinal Position:	2	
Required:	No	
Source Field:	toolMode	
Source Table:	tbl_twSortOptionsNonRollups	
Validate On Set:	No	
sortId	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	825	
Data Updatable:	No	

Ordinal Position:	3		
Required:	No		
Source Field:	sortId		
Source Table:	tbl_twSortOptionsNonRollups		
Validate On Set:	No		
formType	Number (Integer)		2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1020		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Description:	FT_ITEMS = 0, FT_HISTORY = 1, FT_VALUE = 2, FT_SOURCE = 3		
Ordinal Position:	4		
Required:	No		
Source Field:	formType		
Source Table:	tbl_twSortOptionsNonRollups		
Validate On Set:	No		
fieldName1	Text		100
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1125		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	fieldName1		
Source Table:	tbl_twSortOptionsNonRollups		
Validate On Set:	No		
fieldName2	Text		100
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	fieldName2		
Source Table:	tbl_twSortOptionsNonRollups		
Validate On Set:	No		
transFieldName1	Text		100
Allow Zero Length:	No		

Attributes:	Variable Length
Collating Order:	General
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Ordinal Position:	7
Required:	No
Source Field:	transFieldName1
Source Table:	tbl_twSortOptionsNonRollups
Validate On Set:	No

transFieldName2	Text	100
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Allow Zero Length:	No
Attributes:	Variable Length
Collating Order:	General
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Ordinal Position:	8
Required:	No
Source Field:	transFieldName2
Source Table:	tbl_twSortOptionsNonRollups
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	3/29/96 6:49:01 AM	Def. Updatable:	Yes
Last Updated:	4/3/96 1:05:00 PM	Record Count:	53

**Columns**

Name	Type	Size
toolId	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: 1		
Column Width: 690		
Data Updatable: No		
Decimal Places: Auto		
Default Value: 0		
Ordinal Position: 1		
Required: No		
Source Field: toolId		
Source Table: tbl_twSortOptionsRollups		
Validate On Set: No		
toolMode	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: 930		
Data Updatable: No		
Decimal Places: Auto		
Default Value: 0		
Ordinal Position: 2		
Required: No		
Source Field: toolMode		
Source Table: tbl_twSortOptionsRollups		
Validate On Set: No		
formType	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: 1020		
Data Updatable: No		
Decimal Places: Auto		
Default Value: 0		

	Description:	FT_ITEMS = 0, FT_HISTORY = 1, FT_VALUE = 2, FT_SOURCE = 3		
	Ordinal Position:	3		
	Required:	No		
	Source Field:	formType		
	Source Table:	tbl_twSortOptionsRollups		
	Validate On Set:	No		
rollup		Number (Integer)		2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	780		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Description:	TRANS = 0		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	rollup		
	Source Table:	tbl_twSortOptionsRollups		
	Validate On Set:	No		
fieldName1		Text		100
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	1125		
	Data Updatable:	No		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	fieldName1		
	Source Table:	tbl_twSortOptionsRollups		
	Validate On Set:	No		
fieldName2		Text		100
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	930		
	Data Updatable:	No		
	Ordinal Position:	6		
	Required:	No		
	Source Field:	fieldName2		
	Source Table:	tbl_twSortOptionsRollups		
	Validate On Set:	No		
ascending1		Yes/No		1



	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	1035		
	Data Updatable:	No		
	Format:	Yes/No		
	Ordinal Position:	7		
	Required:	No		
	Source Field:	ascending1		
	Source Table:	tbl_twSortOptionsRollups		
	Validate On Set:	No		
ascending2			Yes/No	1
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	945		
	Data Updatable:	No		
	Format:	Yes/No		
	Ordinal Position:	8		
	Required:	No		
	Source Field:	ascending2		
	Source Table:	tbl_twSortOptionsRollups		
	Validate On Set:	No		
label			Text	30
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	885		
	Data Updatable:	No		
	Ordinal Position:	9		
	Required:	No		
	Source Field:	label		
	Source Table:	tbl_twSortOptionsRollups		
	Validate On Set:	No		

**User Permissions**

admin  
Analyst  
God  
guest  
ItemMgr

Delete, Read Permissions, Set Permissions, Change Owner

SysOp

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	3/27/96 7:31:54 AM	Def. Updatable:	Yes
Last Updated:	3/29/96 8:03:07 AM	Record Count:	15

**Columns**

Name	Type	Size
toolId	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	toolId	
Source Table:	tbl_twSortSelection	
Validate On Set:	No	
toolMode	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	2	
Required:	No	
Source Field:	toolMode	
Source Table:	tbl_twSortSelection	
Validate On Set:	No	
formType	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	

Description: FT\_ITEMS = 0, FT\_HISTORY = 1, FT\_VALUE = 2, FT\_SOURCE = 3  
Ordinal Position: 3  
Required: No  
Source Field: formType  
Source Table: tbl\_twSortSelection  
Validate On Set: No

sortId		Text	20
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	4		
Required:	No		
Source Field:	sortId		
Source Table:	tbl_twSortSelection		
Validate On Set:	No		

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	1/23/96 9:08:03 PM	Def. Updatable:	Yes
Last Updated:	1/23/96 9:08:03 PM	Record Count:	8

**Columns**

Name	Type	Size
Name	Text	20
Allow Zero Length: No Attributes: Variable Length Collating Order: General Column Hidden: No Column Order: Default Column Width: Default Data Updatable: No Ordinal Position: 0 Required: No Source Field: Name Source Table: tblDataTableDefs Validate On Set: No		
datesRequired	Yes/No	1
Allow Zero Length: No Attributes: Fixed Size Collating Order: Unknown or Undefined Column Hidden: No Column Order: Default Column Width: 1290 Data Updatable: No Description: Not used anymore Format: Yes/No Ordinal Position: 1 Required: No Source Field: datesRequired Source Table: tblDataTableDefs Validate On Set: No		
DateFieldName	Text	50
Allow Zero Length: No Attributes: Variable Length Collating Order: General Column Hidden: No Column Order: Default Column Width: 1050 Data Updatable: No Description: This is the name of the field that is used to keep track of the table status Ordinal Position: 2 Required: No		

Source Field:	DateFieldName		
Source Table:	tblDataTableDefs		
Validate On Set:	No		
transExclusion		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1275		
Data Updatable:	No		
Description:	True if transaction exclusion capability is provided		
Format:	Yes/No		
Ordinal Position:	3		
Required:	No		
Source Field:	transExclusion		
Source Table:	tblDataTableDefs		
Validate On Set:	No		
installed		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1050		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	4		
Required:	No		
Source Field:	installed		
Source Table:	tblDataTableDefs		
Validate On Set:	No		
KeyCount		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	975		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Description:	The Key fields are used for adding and removing excluded transactions		
Ordinal Position:	5		
Required:	No		
Source Field:	KeyCount		
Source Table:	tblDataTableDefs		
Validate On Set:	No		

KeyField1		Text	50
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	930		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	KeyField1		
Source Table:	tblDataTableDefs		
Validate On Set:	No		
KeyField2		Text	50
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	825		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	KeyField2		
Source Table:	tblDataTableDefs		
Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:28 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:28 PM	Record Count:	Not Available
Src Table Name:	tblLauxBases		

**Columns**

Name	Type	Size
Base_Name	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Base_Name	
Source Table:	tblLauxBases	
Validate On Set:	No	
Region	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Region	
Source Table:	tblLauxBases	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Import_Date	
Source Table:	tblLauxBases	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	325



Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Base_Name, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:28 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:28 PM	Record Count:	Not Available
Src Table Name:	tblLauxIsmData		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Niin	
Source Table:	tblLauxIsmData	
Validate On Set:	No	
Sos	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Sos	
Source Table:	tblLauxIsmData	
Validate On Set:	No	
Ims_Dir	Text	1
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Ims_Dir	
Source Table:	tblLauxIsmData	
Validate On Set:	No	
Ims_Branch	Text	1
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	

Source Field:	Ims_Branch		
Source Table:	tblLauxlsmData		
Validate On Set:	No		
Ims_Mgr		Text	1
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	4		
Required:	No		
Source Field:	Ims_Mgr		
Source Table:	tblLauxlsmData		
Validate On Set:	No		
Import_Date		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	Import_Date		
Source Table:	tblLauxlsmData		
Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	199
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Niin, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:28 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:28 PM	Record Count:	Not Available
Src Table Name:	tblLauxLdbDefs		

**Columns**

Name	Type	Size
IdIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	IdIndex	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
IdName	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	IdName	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
IdDescription	Text	255
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	IdDescription	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
IdWriteProtect	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

Source Field:	IdWriteProtect		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdNoUpdates		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	IdNoUpdates		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdSor		Text	50
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	IdSor		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdSorType		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	IdSorType		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdSos		Text	2
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	8		
Required:	No		
Source Field:	IdSos		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdItemMgr		Text	3
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		

Ordinal Position:	9		
Required:	No		
Source Field:	IdItemMgr		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
<b>IdItemMgrType</b>		<b>Number (Integer)</b>	<b>2</b>
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	10		
Required:	No		
Source Field:	IdItemMgrType		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
<b>IdWeapon</b>		<b>Text</b>	<b>50</b>
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	11		
Required:	No		
Source Field:	IdWeapon		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
<b>Idlsm</b>		<b>Text</b>	<b>9</b>
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	12		
Required:	No		
Source Field:	Idlsm		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
<b>IdNsnGroup</b>		<b>Yes/No</b>	<b>1</b>
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	13		
Required:	No		
Source Field:	IdNsnGroup		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
<b>IdNsnGroupName</b>		<b>Text</b>	<b>25</b>
Allow Zero Length:	No		
Attributes:	Variable Length		

Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	14		
Required:	No		
Source Field:	IdNsnGroupName		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdMonths	Number (Integer)	2	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	15		
Required:	No		
Source Field:	IdMonths		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdEndingType	Number (Integer)	2	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	16		
Required:	No		
Source Field:	IdEndingType		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdEndingDate	Date/Time	8	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	17		
Required:	No		
Source Field:	IdEndingDate		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdStartingDate	Date/Time	8	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	18		
Required:	No		
Source Field:	IdStartingDate		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdTransSource	Text	20	



Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	19		
Required:	No		
Source Field:	IdTransSource		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdTransSourceType	Number (Integer)		2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	20		
Required:	No		
Source Field:	IdTransSourceType		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdRepairLoc	Text		5
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	21		
Required:	No		
Source Field:	IdRepairLoc		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdRepairLocType	Number (Integer)		2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	22		
Required:	No		
Source Field:	IdRepairLocType		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
IdShipTimes	Yes/No		1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	23		
Required:	No		
Source Field:	IdShipTimes		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		

IdDemands	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	24	
Required:	No	
Source Field:	IdDemands	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
IdInventory	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	25	
Required:	No	
Source Field:	IdInventory	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
IdShopTimes	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	26	
Required:	No	
Source Field:	IdShopTimes	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
IdProcurementData	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	27	
Required:	No	
Source Field:	IdProcurementData	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
IdLastCdbUpdate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	28	
Required:	No	
Source Field:	IdLastCdbUpdate	
Source Table:	tblLauxLdbDefs	

Validate On Set:	No		
IdLastCdbCheck		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	29		
Required:	No		
Source Field:	IdLastCdbCheck		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
GetAcquisitions		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	30		
Required:	No		
Source Field:	GetAcquisitions		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
AcquisitionsStart		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	31		
Required:	No		
Source Field:	AcquisitionsStart		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
AcquisitionsEnd		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	32		
Required:	No		
Source Field:	AcquisitionsEnd		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
AcquisitionsUpdate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	33		
Required:	No		

Source Field:	AcquisitionsUpdate		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
GetDemands		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	34		
Required:	No		
Source Field:	GetDemands		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
DemandsStart		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	35		
Required:	No		
Source Field:	DemandsStart		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
DemandsEnd		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	36		
Required:	No		
Source Field:	DemandsEnd		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
DemandsUpdate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	37		
Required:	No		
Source Field:	DemandsUpdate		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
GetInventory		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		

Ordinal Position:	38		
Required:	No		
Source Field:	GetInventory		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
InventoryStart		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	39		
Required:	No		
Source Field:	InventoryStart		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
InventoryEnd		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	40		
Required:	No		
Source Field:	InventoryEnd		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
InventoryUpdate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	41		
Required:	No		
Source Field:	InventoryUpdate		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
GetRepairTime		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	42		
Required:	No		
Source Field:	GetRepairTime		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
RepairTimeStart		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		

Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 43  
 Required: No  
 Source Field: RepairTimeStart  
 Source Table: tblLauxLdbDefs  
 Validate On Set: No

RepairTimeEnd Date/Time 8

Allow Zero Length: No  
 Attributes: Fixed Size  
 Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 44  
 Required: No  
 Source Field: RepairTimeEnd  
 Source Table: tblLauxLdbDefs  
 Validate On Set: No

RepairTimeUpdate Date/Time 8

Allow Zero Length: No  
 Attributes: Fixed Size  
 Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 45  
 Required: No  
 Source Field: RepairTimeUpdate  
 Source Table: tblLauxLdbDefs  
 Validate On Set: No

GetCsiPipe Yes/No 1

Allow Zero Length: No  
 Attributes: Fixed Size  
 Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 46  
 Required: No  
 Source Field: GetCsiPipe  
 Source Table: tblLauxLdbDefs  
 Validate On Set: No

CsiPipeStart Date/Time 8

Allow Zero Length: No  
 Attributes: Fixed Size  
 Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 47  
 Required: No  
 Source Field: CsiPipeStart  
 Source Table: tblLauxLdbDefs  
 Validate On Set: No

CsiPipeEnd Date/Time 8

Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	48		
Required:	No		
Source Field:	CsiPipeEnd		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
CsiPipeUpdate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	49		
Required:	No		
Source Field:	CsiPipeUpdate		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
GetInductPipe		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	50		
Required:	No		
Source Field:	GetInductPipe		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
InductPipeStart		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	51		
Required:	No		
Source Field:	InductPipeStart		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
InductPipeEnd		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	52		
Required:	No		
Source Field:	InductPipeEnd		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		

<b>InductPipeUpdate</b>	<b>Date/Time</b>	<b>8</b>
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	53	
Required:	No	
Source Field:	InductPipeUpdate	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
<b>GetRetroPipe</b>	<b>Yes/No</b>	<b>1</b>
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	54	
Required:	No	
Source Field:	GetRetroPipe	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
<b>RetroPipeStart</b>	<b>Date/Time</b>	<b>8</b>
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	55	
Required:	No	
Source Field:	RetroPipeStart	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
<b>RetroPipeEnd</b>	<b>Date/Time</b>	<b>8</b>
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	56	
Required:	No	
Source Field:	RetroPipeEnd	
Source Table:	tblLauxLdbDefs	
Validate On Set:	No	
<b>RetroPipeUpdate</b>	<b>Date/Time</b>	<b>8</b>
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	57	
Required:	No	
Source Field:	RetroPipeUpdate	
Source Table:	tblLauxLdbDefs	



Validate On Set:	No		
GetLevelHistory		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	58		
Required:	No		
Source Field:	GetLevelHistory		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
LevelHistoryStart		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	59		
Required:	No		
Source Field:	LevelHistoryStart		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
LevelHistoryEnd		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	60		
Required:	No		
Source Field:	LevelHistoryEnd		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		
LevelHistoryUpdate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	61		
Required:	No		
Source Field:	LevelHistoryUpdate		
Source Table:	tblLauxLdbDefs		
Validate On Set:	No		

**User Permissions**

admin  
Analyst

Delete, Read Permissions, Set Permissions, Change Owner

God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:28 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:28 PM	Record Count:	Not Available
Src Table Name:	tblLauxNewLevels		

**Columns**

Name	Type	Size
niin	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: niin		
Source Table: tblLauxNewLevels		
Validate On Set: No		
setDate	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 2		
Required: No		
Source Field: setDate		
Source Table: tblLauxNewLevels		
Validate On Set: No		
dataDate	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 3		
Required: No		
Source Field: dataDate		
Source Table: tblLauxNewLevels		
Validate On Set: No		
level	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 4		
Required: No		

	Source Field:	level		
	Source Table:	tblLauxNewLevels		
	Validate On Set:	No		
prevLevel			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	prevLevel		
	Source Table:	tblLauxNewLevels		
	Validate On Set:	No		
byWhom			Text	6
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	6		
	Required:	No		
	Source Field:	byWhom		
	Source Table:	tblLauxNewLevels		
	Validate On Set:	No		
reason			Text	50
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	7		
	Required:	No		
	Source Field:	reason		
	Source Table:	tblLauxNewLevels		
	Validate On Set:	No		
remarks			Text	50
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	8		
	Required:	No		
	Source Field:	remarks		
	Source Table:	tblLauxNewLevels		
	Validate On Set:	No		
calcLevel			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		

Ordinal Position:	9		
Required:	No		
Source Field:	calcLevel		
Source Table:	tblLauxNewLevels		
Validate On Set:	No		
calcCode		Text	1
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	10		
Required:	No		
Source Field:	calcCode		
Source Table:	tblLauxNewLevels		
Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
niin	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	niin
Primary:	No
Required:	No
Unique:	Yes
Fields:	niin, Ascending
PrimaryKey	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	niin, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:28 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:28 PM	Record Count:	Not Available
Src Table Name:	tblLauxNsnData		

**Columns**

Name	Type	Size
niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	niin	
Source Table:	tblLauxNsnData	
Validate On Set:	No	
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	sgm	
Source Table:	tblLauxNsnData	
Validate On Set:	No	
Import_Date	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Import_Date	
Source Table:	tblLauxNsnData	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	202

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	niin, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVT\CV_LAUX.MDB
Date Created:	5/8/97 12:49:28 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:28 PM	Record Count:	Not Available
Src Table Name:	tblLauxPssdData		

**Columns**

Name	Type	Size
Pssd	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Pssd	
Source Table:	tblLauxPssdData	
Validate On Set:	No	
Shop	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Shop	
Source Table:	tblLauxPssdData	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Import_Date	
Source Table:	tblLauxPssdData	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	24

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Pssd, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVT\CV_LAUX.MDB
Date Created:	5/8/97 12:49:29 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:29 PM	Record Count:	Not Available
Src Table Name:	tblLauxRccData		

**Columns**

Name	Type	Size
Rcc	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Rcc	
Source Table:	tblLauxRccData	
Validate On Set:	No	
Pssd	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Pssd	
Source Table:	tblLauxRccData	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Import_Date	
Source Table:	tblLauxRccData	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	18

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Rcc, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:29 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:29 PM	Record Count:	Not Available
Src Table Name:	tblLauxRccismXref		

**Columns**

Name	Type	Size
Rcc	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Rcc	
Source Table:	tblLauxRccismXref	
Validate On Set:	No	
Niin	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Niin	
Source Table:	tblLauxRccismXref	
Validate On Set:	No	
ContractRepair	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	ContractRepair	
Source Table:	tblLauxRccismXref	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	

Source Field:	Import_Date
Source Table:	tblLauxRccismXref
Validate On Set:	No

**Table Indexes**

Name	Number of Fields
PrimaryKey	2
Clustered:	No
Distinct Count:	200
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Rcc, Ascending Niin, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:29 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:29 PM	Record Count:	Not Available
Src Table Name:	tblLauxSgmData		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Niin	
Source Table:	tblLauxSgmData	
Validate On Set:	No	
Fsc	Text	4
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Fsc	
Source Table:	tblLauxSgmData	
Validate On Set:	No	
Mmac	Text	2
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Mmac	
Source Table:	tblLauxSgmData	
Validate On Set:	No	
Im	Text	10
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	

	Source Field:	Im		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
BatchSize			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	BatchSize		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
Remarks			Text	50
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	Remarks		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
Ism			Text	9
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	6		
	Required:	No		
	Source Field:	Ism		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
Lm			Text	1
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	7		
	Required:	No		
	Source Field:	Lm		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
Noun			Text	50
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		



	Ordinal Position:	8		
	Required:	No		
	Source Field:	Noun		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
Sos			Text	3
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	9		
	Required:	No		
	Source Field:	Sos		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
Sor			Text	2
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	10		
	Required:	No		
	Source Field:	Sor		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
UnitCost			Currency	8
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	11		
	Required:	No		
	Source Field:	UnitCost		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
Rbl			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	12		
	Required:	No		
	Source Field:	Rbl		
	Source Table:	tblLauxSgmData		
	Validate On Set:	No		
lms			Text	3
	Allow Zero Length:	No		
	Attributes:	Variable Length		

Collating Order: General  
 Data Updatable: No  
 Ordinal Position: 13  
 Required: No  
 Source Field: lms  
 Source Table: tblLauxSgmData  
 Validate On Set: No

Import\_Date

Date/Time

8

Allow Zero Length: No  
 Attributes: Fixed Size  
 Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 14  
 Required: No  
 Source Field: Import\_Date  
 Source Table: tblLauxSgmData  
 Validate On Set: No

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	180
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Nilin, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner

Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:29 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:29 PM	Record Count:	Not Available
Src Table Name:	tblLauxShopData		

**Columns**

Name	Type	Size
Shop	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Shop	
Source Table:	tblLauxShopData	
Validate On Set:	No	
Sor	Text	2
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Sor	
Source Table:	tblLauxShopData	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Import_Date	
Source Table:	tblLauxShopData	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	11

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Shop, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:29 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:29 PM	Record Count:	Not Available
Src Table Name:	tblLauxSrans		

**Columns**

Name	Type	Size
<b>Sran</b> Allow Zero Length: No Attributes: Variable Length Collating Order: General Data Updatable: No Ordinal Position: 1 Required: No Source Field: Sran Source Table: tblLauxSrans Validate On Set: No	Text	6
<b>Base_Name</b> Allow Zero Length: No Attributes: Variable Length Collating Order: General Data Updatable: No Ordinal Position: 2 Required: No Source Field: Base_Name Source Table: tblLauxSrans Validate On Set: No	Text	50
<b>Import_Date</b> Allow Zero Length: No Attributes: Fixed Size Collating Order: Unknown or Undefined Data Updatable: No Ordinal Position: 3 Required: No Source Field: Import_Date Source Table: tblLauxSrans Validate On Set: No	Date/Time	8

**Table Indexes**

Name	Number of Fields
<b>PrimaryKey</b> Clustered: No Distinct Count: 529	1

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Sran, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LAUX.MDB
Date Created:	5/8/97 12:49:29 PM	Def. Updatable:	No
Last Updated:	5/8/97 12:49:29 PM	Record Count:	Not Available
Src Table Name:	tblLauxUpdateInfo		

**Columns**

Name	Type	Size
TableName	Text	120
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	TableName	
Source Table:	tblLauxUpdateInfo	
Validate On Set:	No	
Last_Update	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Last_Update	
Source Table:	tblLauxUpdateInfo	
Validate On Set:	No	
Last_Rebuild	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Last_Rebuild	
Source Table:	tblLauxUpdateInfo	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	9



Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	TableName, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:18 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:18 PM	Record Count:	Not Available
Src Table Name:	tblLdbAcquisitions		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: Niin		
Source Table: tblLdbAcquisitions		
Validate On Set: No		
Qty	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 2		
Required: No		
Source Field: Qty		
Source Table: tblLdbAcquisitions		
Validate On Set: No		
ReqDate	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 3		
Required: No		
Source Field: ReqDate		
Source Table: tblLdbAcquisitions		
Validate On Set: No		
RecptDate	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 4		
Required: No		

Source Field:	RecptDate		
Source Table:	tblLdbAcquisitions		
Validate On Set:	No		
DocNo		Text	20
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	DocNo		
Source Table:	tblLdbAcquisitions		
Validate On Set:	No		
Exclude		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	Exclude		
Source Table:	tblLdbAcquisitions		
Validate On Set:	No		
Import_Date		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	Import_Date		
Source Table:	tblLdbAcquisitions		
Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	DocNo, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:18 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:18 PM	Record Count:	Not Available
Src Table Name:	tblLdbBases		

**Columns**

Name	Type	Size
Base_Name	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Base_Name	
Source Table:	tblLdbBases	
Validate On Set:	No	
Region	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Region	
Source Table:	tblLdbBases	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Import_Date	
Source Table:	tblLdbBases	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	325

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Base_Name, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:18 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:18 PM	Record Count:	Not Available
Src Table Name:	tblLdbCsiPipe		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Niin	
Source Table:	tblLdbCsiPipe	
Validate On Set:	No	
DocNo	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	DocNo	
Source Table:	tblLdbCsiPipe	
Validate On Set:	No	
ShopOutDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	ShopOutDate	
Source Table:	tblLdbCsiPipe	
Validate On Set:	No	
ServCsiDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

	Source Field:	ServCsiDate	
	Source Table:	tblLdbCsiPipe	
	Validate On Set:	No	
Suffix		Text	2
	Allow Zero Length:	No	
	Attributes:	Variable Length	
	Collating Order:	General	
	Data Updatable:	No	
	Ordinal Position:	5	
	Required:	No	
	Source Field:	Suffix	
	Source Table:	tblLdbCsiPipe	
	Validate On Set:	No	
Exclude		Yes/No	1
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	6	
	Required:	No	
	Source Field:	Exclude	
	Source Table:	tblLdbCsiPipe	
	Validate On Set:	No	
Import_Date		Date/Time	8
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	7	
	Required:	No	
	Source Field:	Import_Date	
	Source Table:	tblLdbCsiPipe	
	Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	2
Clustered:	No
Distinct Count:	980
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	DocNo, Ascending Suffix, Ascending



**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:18 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:18 PM	Record Count:	Not Available
Src Table Name:	tblLdbDailyLevels		

**Columns**

Name	Type	Size
niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	niin	
Source Table:	tblLdbDailyLevels	
Validate On Set:	No	
level	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	level	
Source Table:	tblLdbDailyLevels	
Validate On Set:	No	
Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Date	
Source Table:	tblLdbDailyLevels	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

Source Field:	Import_Date
Source Table:	tblLdbDailyLevels
Validate On Set:	No

**Table Indexes**

Name	Number of Fields
nsn	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	nsn
Primary:	No
Required:	No
Unique:	No
Fields:	niin, Ascending
PrimaryKey	2
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	niin, Ascending Date, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:18 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:18 PM	Record Count:	Not Available
Src Table Name:	tblLdbDemands		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Niin	
Source Table:	tblLdbDemands	
Validate On Set:	No	
Qty	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Qty	
Source Table:	tblLdbDemands	
Validate On Set:	No	
ReqDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	ReqDate	
Source Table:	tblLdbDemands	
Validate On Set:	No	
AlcRecptDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

Source Field:	AlcRecptDate		
Source Table:	tblLdbDemands		
Validate On Set:	No		
ReleaseDate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	ReleaseDate		
Source Table:	tblLdbDemands		
Validate On Set:	No		
ShipDate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	ShipDate		
Source Table:	tblLdbDemands		
Validate On Set:	No		
BaseRecptDate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	BaseRecptDate		
Source Table:	tblLdbDemands		
Validate On Set:	No		
Backorder		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	8		
Required:	No		
Source Field:	Backorder		
Source Table:	tblLdbDemands		
Validate On Set:	No		
Application		Text	10
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		

	Ordinal Position:	9		
	Required:	No		
	Source Field:	Application		
	Source Table:	tblLdbDemands		
	Validate On Set:	No		
Sran			Text	6
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	10		
	Required:	No		
	Source Field:	Sran		
	Source Table:	tblLdbDemands		
	Validate On Set:	No		
DocNo			Text	20
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	11		
	Required:	No		
	Source Field:	DocNo		
	Source Table:	tblLdbDemands		
	Validate On Set:	No		
Suffix			Text	5
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	12		
	Required:	No		
	Source Field:	Suffix		
	Source Table:	tblLdbDemands		
	Validate On Set:	No		
Programmed			Yes/No	1
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	13		
	Required:	No		
	Source Field:	Programmed		
	Source Table:	tblLdbDemands		
	Validate On Set:	No		
Cancelled			Yes/No	1
	Allow Zero Length:	No		
	Attributes:	Fixed Size		

Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 14  
 Required: No  
 Source Field: Cancelled  
 Source Table: tblLdbDemands  
 Validate On Set: No

Exclude Yes/No 1

Allow Zero Length: No  
 Attributes: Fixed Size  
 Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 15  
 Required: No  
 Source Field: Exclude  
 Source Table: tblLdbDemands  
 Validate On Set: No

Import\_Date Date/Time 8

Allow Zero Length: No  
 Attributes: Fixed Size  
 Collating Order: Unknown or Undefined  
 Data Updatable: No  
 Ordinal Position: 16  
 Required: No  
 Source Field: Import\_Date  
 Source Table: tblLdbDemands  
 Validate On Set: No

#### Table Indexes

Name	Number of Fields
PrimaryKey	2
Clustered:	No
Distinct Count:	2784
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	DocNo, Ascending Suffix, Ascending

#### User Permissions

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	



God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVT\CV_LDB1.MDB
Date Created:	5/8/97 1:20:18 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:18 PM	Record Count:	Not Available
Src Table Name:	tblLdbInductPipe		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: Niin		
Source Table: tblLdbInductPipe		
Validate On Set: No		
DocNo	Text	20
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Data Updatable: No		
Ordinal Position: 2		
Required: No		
Source Field: DocNo		
Source Table: tblLdbInductPipe		
Validate On Set: No		
DialIssueDate	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 3		
Required: No		
Source Field: DialIssueDate		
Source Table: tblLdbInductPipe		
Validate On Set: No		
ShopRcptDate	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 4		
Required: No		

	Source Field:	ShopRcptDate	
	Source Table:	tblLdbInductPipe	
	Validate On Set:	No	
Suffix		Text	2
	Allow Zero Length:	No	
	Attributes:	Variable Length	
	Collating Order:	General	
	Data Updatable:	No	
	Ordinal Position:	5	
	Required:	No	
	Source Field:	Suffix	
	Source Table:	tblLdbInductPipe	
	Validate On Set:	No	
Exclude		Yes/No	1
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	6	
	Required:	No	
	Source Field:	Exclude	
	Source Table:	tblLdbInductPipe	
	Validate On Set:	No	
Import_Date		Date/Time	8
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	7	
	Required:	No	
	Source Field:	Import_Date	
	Source Table:	tblLdbInductPipe	
	Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	2
Clustered:	No
Distinct Count:	797
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	DocNo, Ascending Suffix, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:18 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:18 PM	Record Count:	Not Available
Src Table Name:	tblLdbInventory		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Niin	
Source Table:	tblLdbInventory	
Validate On Set:	No	
Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Date	
Source Table:	tblLdbInventory	
Validate On Set:	No	
RepQty	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	RepQty	
Source Table:	tblLdbInventory	
Validate On Set:	No	
IpQty	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

	Source Field:	IpQty	
	Source Table:	tblLdbInventory	
	Validate On Set:	No	
CsiQty		Number (Integer)	2
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	5	
	Required:	No	
	Source Field:	CsiQty	
	Source Table:	tblLdbInventory	
	Validate On Set:	No	
BoQty		Number (Integer)	2
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	6	
	Required:	No	
	Source Field:	BoQty	
	Source Table:	tblLdbInventory	
	Validate On Set:	No	
AwpQty		Number (Integer)	2
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	7	
	Required:	No	
	Source Field:	AwpQty	
	Source Table:	tblLdbInventory	
	Validate On Set:	No	
Import_Date		Date/Time	8
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	
	Ordinal Position:	8	
	Required:	No	
	Source Field:	Import_Date	
	Source Table:	tblLdbInventory	
	Validate On Set:	No	
FromRawData		Yes/No	1
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Data Updatable:	No	

Ordinal Position:	9
Required:	No
Source Field:	FromRawData
Source Table:	tblLdbInventory
Validate On Set:	No

**Table Indexes**

Name	Number of Fields
nsn	1
Clustered:	No
Distinct Count:	193
Foreign:	No
Ignore Nulls:	No
Name:	nsn
Primary:	No
Required:	No
Unique:	No
Fields:	Niin, Ascending
PrimaryKey	2
Clustered:	No
Distinct Count:	47429
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	Niin, Ascending Date, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete

SysOps  
Users

Delete  
Read Permissions



**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:19 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:19 PM	Record Count:	Not Available
Src Table Name:	tblLdbLevelHistory		

**Columns**

Name	Type	Size
niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	niin	
Source Table:	tblLdbLevelHistory	
Validate On Set:	No	
Setdate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Setdate	
Source Table:	tblLdbLevelHistory	
Validate On Set:	No	
dataDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	dataDate	
Source Table:	tblLdbLevelHistory	
Validate On Set:	No	
level	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

Source Field:	level		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
prevLevel	Number (Integer)		2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	prevLevel		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
byWhom	Text		6
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	byWhom		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
reason	Text		100
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	reason		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
remarks	Text		100
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	8		
Required:	No		
Source Field:	remarks		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
calcLevel	Number (Integer)		2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		

Ordinal Position:	9		
Required:	No		
Source Field:	calcLevel		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
calcCode		Text	1
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	10		
Required:	No		
Source Field:	calcCode		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
RdbLevel		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	11		
Required:	No		
Source Field:	RdbLevel		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
Import_Date		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	12		
Required:	No		
Source Field:	Import_Date		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		
FromRawData		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	13		
Required:	No		
Source Field:	FromRawData		
Source Table:	tblLdbLevelHistory		
Validate On Set:	No		

Name	Number of Fields
nsn	1
Clustered:	No
Distinct Count:	1
Foreign:	No
Ignore Nulls:	No
Name:	nsn
Primary:	No
Required:	No
Unique:	No
Fields:	niin, Ascending
PrimaryKey	2
Clustered:	No
Distinct Count:	1
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	niin, Ascending Setdate, Ascending

#### User Permissions

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:19 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:19 PM	Record Count:	Not Available
Src Table Name:	tblLdbNsnData		

**Columns**

Name	Type	Size
niin	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: niin		
Source Table: tblLdbNsnData		
Validate On Set: No		
sgm	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Data Updatable: No		
Ordinal Position: 2		
Required: No		
Source Field: sgm		
Source Table: tblLdbNsnData		
Validate On Set: No		
Import_Date	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Data Updatable: No		
Ordinal Position: 3		
Required: No		
Source Field: Import_Date		
Source Table: tblLdbNsnData		
Validate On Set: No		

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	193

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	niin, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:19 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:19 PM	Record Count:	Not Available
Src Table Name:	tblLdbRepairTime		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Niin	
Source Table:	tblLdbRepairTime	
Validate On Set:	No	
InductDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	InductDate	
Source Table:	tblLdbRepairTime	
Validate On Set:	No	
IpTime	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	IpTime	
Source Table:	tblLdbRepairTime	
Validate On Set:	No	
AwMTime	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

Source Field:	AwmTime		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
AwpTime	Number (Integer)		2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	AwpTime		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
AwfTime	Number (Integer)		2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	AwfTime		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
OutDate	Date/Time		8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	OutDate		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
OutStat	Text		2
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	8		
Required:	No		
Source Field:	OutStat		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
DocNo	Text		20
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		



Ordinal Position:	9		
Required:	No		
Source Field:	DocNo		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
Ser_No		Text	10
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	10		
Required:	No		
Source Field:	Ser_No		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
Exclude		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	11		
Required:	No		
Source Field:	Exclude		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		
Import_Date		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	12		
Required:	No		
Source Field:	Import_Date		
Source Table:	tblLdbRepairTime		
Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
nsn	1
Clustered:	No
Distinct Count:	73
Foreign:	No
Ignore Nulls:	No
Name:	nsn
Primary:	No
Required:	No
Unique:	No

Fields:	Niin, Ascending
PrimaryKey	2
Clustered:	No
Distinct Count:	768
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	DocNo, Ascending
	Ser_No, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVT\CV_LDB1.MDB
Date Created:	5/8/97 1:20:19 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:19 PM	Record Count:	Not Available
Src Table Name:	tblLdbRetroPipe		

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Niin	
Source Table:	tblLdbRetroPipe	
Validate On Set:	No	
DocNo	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	DocNo	
Source Table:	tblLdbRetroPipe	
Validate On Set:	No	
NRTSDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	NRTSDate	
Source Table:	tblLdbRetroPipe	
Validate On Set:	No	
BaseTModDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

Source Field:	BaseTMODate		
Source Table:	tblLdbRetroPipe		
Validate On Set:	No		
DepotDate		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	DepotDate		
Source Table:	tblLdbRetroPipe		
Validate On Set:	No		
Suffix		Text	2
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	Suffix		
Source Table:	tblLdbRetroPipe		
Validate On Set:	No		
Exclude		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	Exclude		
Source Table:	tblLdbRetroPipe		
Validate On Set:	No		
Import_Date		Date/Time	8
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Data Updatable:	No		
Ordinal Position:	8		
Required:	No		
Source Field:	Import_Date		
Source Table:	tblLdbRetroPipe		
Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
PrimaryKey	2

Clustered:	No
Distinct Count:	1914
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	DocNo, Ascending Suffix, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:19 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:19 PM	Record Count:	Not Available
Src Table Name:	tblLdbSgmData		

**Columns**

Name	Type	Size
NIIN	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	NIIN	
Source Table:	tblLdbSgmData	
Validate On Set:	No	
FSC	Text	4
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	FSC	
Source Table:	tblLdbSgmData	
Validate On Set:	No	
MMAC	Text	2
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	MMAC	
Source Table:	tblLdbSgmData	
Validate On Set:	No	
IM	Text	10
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	4	
Required:	No	

	Source Field:	IM		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
BatchSize			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	BatchSize		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
Remarks			Text	50
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	6		
	Required:	No		
	Source Field:	Remarks		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
ISM			Text	9
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	7		
	Required:	No		
	Source Field:	ISM		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
LM			Text	1
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	8		
	Required:	No		
	Source Field:	LM		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
Noun			Text	50
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		

	Ordinal Position:	9		
	Required:	No		
	Source Field:	Noun		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
SOS			Text	3
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	10		
	Required:	No		
	Source Field:	SOS		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
SOR			Text	2
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Data Updatable:	No		
	Ordinal Position:	11		
	Required:	No		
	Source Field:	SOR		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
UnitCost			Currency	8
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	12		
	Required:	No		
	Source Field:	UnitCost		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
Rbl			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	13		
	Required:	No		
	Source Field:	Rbl		
	Source Table:	tblLdbSgmData		
	Validate On Set:	No		
lms			Text	3
	Allow Zero Length:	No		
	Attributes:	Variable Length		



Collating Order:	General
Data Updatable:	No
Ordinal Position:	14
Required:	No
Source Field:	lms
Source Table:	tblLdbSgmData
Validate On Set:	No

**Import\_Date**

Date/Time

8

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Data Updatable:	No
Ordinal Position:	15
Required:	No
Source Field:	Import_Date
Source Table:	tblLdbSgmData
Validate On Set:	No

**Table Indexes**

<u>Name</u>	<u>Number of Fields</u>
PrimaryKey	1
Clustered:	No
Distinct Count:	180
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	NIIN, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner

Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:19 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:19 PM	Record Count:	Not Available
Src Table Name:	tblLdbSrans		

**Columns**

Name	Type	Size
SRAN	Text	6
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	SRAN	
Source Table:	tblLdbSrans	
Validate On Set:	No	
Base_Name	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Base_Name	
Source Table:	tblLdbSrans	
Validate On Set:	No	
Import_Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Import_Date	
Source Table:	tblLdbSrans	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	529

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	SRAN, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Attributes:	Attached	Connect String:	;DATABASE=C:\PLVTCV_LDB1.MDB
Date Created:	5/8/97 1:20:19 PM	Def. Updatable:	No
Last Updated:	5/8/97 1:20:19 PM	Record Count:	Not Available
Src Table Name:	tblLdbUpdateInfo		

**Columns**

Name	Type	Size
TableName	Text	120
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	TableName	
Source Table:	tblLdbUpdateInfo	
Validate On Set:	No	
Last_Update	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	Last_Update	
Source Table:	tblLdbUpdateInfo	
Validate On Set:	No	
Last_Rebuild	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	Last_Rebuild	
Source Table:	tblLdbUpdateInfo	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	12

Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	TableName, Ascending

**User Permissions**

admin	Delete, Read Permissions, Set Permissions, Change Owner
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 1/23/96 9:09:10 PM  
 Last Updated: 10/26/96 3:45:43 PM

Def. Updatable: Yes  
 Record Count: 1

**Columns**

Name	Type	Size
Welcome	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	1	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	1	
Required:	1	
Source Field:	Welcome	
Source Table:	tblStaticVars	
Validate On Set:	No	
OnlyItemsWithTrans	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	2	
Required:	1	
Source Field:	OnlyItemsWithTrans	
Source Table:	tblStaticVars	
Validate On Set:	No	
OnlySourcesWithTrans	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	3	
Required:	1	
Source Field:	OnlySourcesWithTrans	

Source Table:	tblStaticVars		
Validate On Set:	No		
ExcludeTrans		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	4		
Required:	1		
Source Field:	ExcludeTrans		
Source Table:	tblStaticVars		
Validate On Set:	No		
AutoUpdate		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	5		
Required:	1		
Source Field:	AutoUpdate		
Source Table:	tblStaticVars		
Validate On Set:	No		
taSummaryDisplayLevel		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	6		
Required:	No		
Source Field:	taSummaryDisplayLevel		
Source Table:	tblStaticVars		
Validate On Set:	No		
taSummaryDisplayDeferments		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		



Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	7		
Required:	1		
Source Field:	taSummaryDisplayDeferments		
Source Table:	tblStaticVars		
Validate On Set:	No		
taItemDisplayAllFlags	Yes/No	1	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	8		
Required:	1		
Source Field:	taItemDisplayAllFlags		
Source Table:	tblStaticVars		
Validate On Set:	No		
taDisplayTriggersPopup	Yes/No	1	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	2370		
Data Updatable:	No		
Description:	If true, the Triggers Popup will be displayed before the TALs are calculated		
Format:	Yes/No		
Ordinal Position:	9		
Required:	1		
Source Field:	taDisplayTriggersPopup		
Source Table:	tblStaticVars		
Validate On Set:	No		
IsSaveOnlyChanges	Yes/No	1	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		

Ordinal Position:	10		
Required:	1		
Source Field:	IsSaveOnlyChanges		
Source Table:	tblStaticVars		
Validate On Set:	No		
IsRecalcMinReductionDays		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	11		
Required:	No		
Source Field:	IsRecalcMinReductionDays		
Source Table:	tblStaticVars		
Validate On Set:	No		
IsRecalcReductionFactor		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	12		
Required:	No		
Source Field:	IsRecalcReductionFactor		
Source Table:	tblStaticVars		
Validate On Set:	No		
IdCurrentLdbId		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	13		
Required:	1		
Source Field:	IdCurrentLdbId		
Source Table:	tblStaticVars		
Validate On Set:	No		

deCdbInitialized	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	14	
Required:	No	
Source Field:	deCdbInitialized	
Source Table:	tblStaticVars	
Validate On Set:	No	
FirstRun	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	15	
Required:	No	
Source Field:	FirstRun	
Source Table:	tblStaticVars	
Validate On Set:	No	
CdbEnabled	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	16	
Required:	No	
Source Field:	CdbEnabled	
Source Table:	tblStaticVars	
Validate On Set:	No	

**User Permissions**

admin  
Analyst  
God

Delete, Read Permissions, Set Permissions, Change Owner

guest  
ItemMgr  
SysOp

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	12/12/96 12:20:38 PM	Def. Updatable:	Yes
Last Updated:	12/12/96 1:03:56 PM	Record Count:	0

**Columns**

Name	Type	Size
Sor	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Sor	
Source Table:	tblTemp_deSorList	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:27:19 PM      Def. Updatable: Yes  
Last Updated: 3/28/96 1:25:27 PM      Record Count: 273

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_dmHistoryRollup	
Validate On Set:	No	
label	Text	15
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	label	
Source Table:	tblTemp_dmHistoryRollup	
Validate On Set:	No	
value0	Number (Long)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	3	
Required:	No	

	Source Field:	value0	
	Source Table:	tblTemp_dmHistoryRollup	
	Validate On Set:	No	
value1			Currency 8
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Decimal Places:	Auto	
	Default Value:	0	
	Format:	\$\$,##0.00;(\$\$,##0.00)	
	Ordinal Position:	4	
	Required:	No	
	Source Field:	value1	
	Source Table:	tblTemp_dmHistoryRollup	
	Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:27:25 PM      Def. Updatable: Yes  
Last Updated: 3/28/96 1:23:58 PM      Record Count: 27

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_dmHistoryRollupNonNull	
Validate On Set:	No	
qty	Number (Long)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	2	
Required:	No	
Source Field:	qty	
Source Table:	tblTemp_dmHistoryRollupNonNull	
Validate On Set:	No	
cost	Currency	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	



Format:	\$\$,##0.00;(\$\$,##0.00)
Ordinal Position:	3
Required:	No
Source Field:	cost
Source Table:	tblTemp_dmHistoryRollupNonNull
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:27:30 PM	Def. Updatable:	Yes
Last Updated:	3/22/96 10:34:36 AM	Record Count:	11046

**Columns**

Name	Type	Size
NIIN	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: NIIN		
Source Table: tblTemp_dmSelection		
Validate On Set: No		
Qty	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Decimal Places: Auto		
Ordinal Position: 2		
Required: No		
Source Field: Qty		
Source Table: tblTemp_dmSelection		
Validate On Set: No		
ReqDate	Date/Time	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 3		
Required: No		
Source Field: ReqDate		
Source Table: tblTemp_dmSelection		
Validate On Set: No		

Application		Text	20
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	4		
Required:	No		
Source Field:	Application		
Source Table:	tblTemp_dmSelection		
Validate On Set:	No		
SRAN		Text	6
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	SRAN		
Source Table:	tblTemp_dmSelection		
Validate On Set:	No		
DocNo		Text	20
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	DocNo		
Source Table:	tblTemp_dmSelection		
Validate On Set:	No		
suffix		Text	5
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	7		
Required:	No		
Source Field:	suffix		

Source Table:	tblTemp_dmSelection		
Validate On Set:	No		
exclude		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	8		
Required:	No		
Source Field:	exclude		
Source Table:	tblTemp_dmSelection		
Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:27:34 PM	Def. Updatable:	Yes
Last Updated:	4/2/96 2:15:56 PM	Record Count:	39

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_ieHistoryRollup	
Validate On Set:	No	
label	Text	15
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	label	
Source Table:	tblTemp_ieHistoryRollup	
Validate On Set:	No	
value0	Number (Long)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	3	
Required:	No	

	Source Field:	value0		
	Source Table:	tblTemp_ieHistoryRollup		
	Validate On Set:	No		
qty			Number (Long)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	qty		
	Source Table:	tblTemp_ieHistoryRollup		
	Validate On Set:	No		
issueEff			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	-1		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	issueEff		
	Source Table:	tblTemp_ieHistoryRollup		
	Validate On Set:	No		
nonBoQty			Number (Long)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	6		
	Required:	No		
	Source Field:	nonBoQty		
	Source Table:	tblTemp_ieHistoryRollup		
	Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:27:39 PM	Def. Updatable:	Yes
Last Updated:	2/6/96 7:27:39 PM	Record Count:	39

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_ieHistoryRollupNonNull	
Validate On Set:	No	
qty	Number (Long)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	qty	
Source Table:	tblTemp_ieHistoryRollupNonNull	
Validate On Set:	No	
nonBoQty	Number (Long)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	



Ordinal Position:	2
Required:	No
Source Field:	nonBoQty
Source Table:	tblTemp_ieHistoryRollupNonNull
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:27:43 PM      Def. Updatable: Yes  
Last Updated: 3/22/96 10:35:01 AM      Record Count: 7336

**Columns**

Name	Type	Size
NIIN	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	NIIN	
Source Table:	tblTemp_ieSelection	
Validate On Set:	No	
Qty	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Ordinal Position:	2	
Required:	No	
Source Field:	Qty	
Source Table:	tblTemp_ieSelection	
Validate On Set:	No	
ReqDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	ReqDate	
Source Table:	tblTemp_ieSelection	
Validate On Set:	No	

Backorder	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	4	
Required:	No	
Source Field:	Backorder	
Source Table:	tblTemp_ieSelection	
Validate On Set:	No	
Application	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	5	
Required:	No	
Source Field:	Application	
Source Table:	tblTemp_ieSelection	
Validate On Set:	No	
SRAN	Text	6
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	6	
Required:	No	
Source Field:	SRAN	
Source Table:	tblTemp_ieSelection	
Validate On Set:	No	
DocNo	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	7	
Required:	No	

	Source Field:	DocNo	
	Source Table:	tblTemp_ieSelection	
	Validate On Set:	No	
Suffix			5
	Allow Zero Length:	No	
	Attributes:	Variable Length	
	Collating Order:	General	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Ordinal Position:	8	
	Required:	No	
	Source Field:	Suffix	
	Source Table:	tblTemp_ieSelection	
	Validate On Set:	No	
Exclude			1
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Format:	Yes/No	
	Ordinal Position:	9	
	Required:	No	
	Source Field:	Exclude	
	Source Table:	tblTemp_ieSelection	
	Validate On Set:	No	

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	

ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:27:47 PM  
Last Updated: 2/6/96 7:27:47 PM

Def. Updatable: Yes  
Record Count: 4

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_ivHistoryRollupMultiLine	
Validate On Set:	No	
label	Text	15
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	label	
Source Table:	tblTemp_ivHistoryRollupMultiLine	
Validate On Set:	No	
value0	Number (Single)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	2	
Required:	No	

	Source Field:	value0		
	Source Table:	tblTemp_ivHistoryRollupMultiLine		
	Validate On Set:	No		
value1			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	3		
	Required:	No		
	Source Field:	value1		
	Source Table:	tblTemp_ivHistoryRollupMultiLine		
	Validate On Set:	No		
value2			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	value2		
	Source Table:	tblTemp_ivHistoryRollupMultiLine		
	Validate On Set:	No		
value3			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	value3		
	Source Table:	tblTemp_ivHistoryRollupMultiLine		
	Validate On Set:	No		
value4			Number (Single)	4

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	6
Required:	No
Source Field:	value4
Source Table:	tblTemp_ivHistoryRollupMultiLine
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Date Created: 2/6/96 7:27:53 PM  
Last Updated: 2/6/96 7:27:54 PM

Def. Updatable: Yes  
Record Count: 6

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_ivHistoryRollupRangeBar	
Validate On Set:	No	
label	Text	15
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	label	
Source Table:	tblTemp_ivHistoryRollupRangeBar	
Validate On Set:	No	
avg0	Number (Single)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	2	
Required:	No	

	Source Field:	avg0		
	Source Table:	tblTemp_ivHistoryRollupRangeBar		
	Validate On Set:	No		
min0			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	3		
	Required:	No		
	Source Field:	min0		
	Source Table:	tblTemp_ivHistoryRollupRangeBar		
	Validate On Set:	No		
max0			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	max0		
	Source Table:	tblTemp_ivHistoryRollupRangeBar		
	Validate On Set:	No		
stdev0			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	stdev0		
	Source Table:	tblTemp_ivHistoryRollupRangeBar		
	Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:27:59 PM	Def. Updatable:	Yes
Last Updated:	2/6/96 7:27:59 PM	Record Count:	0

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_ivHistoryRollupValueBar	
Validate On Set:	No	
label	Text	15
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	label	
Source Table:	tblTemp_ivHistoryRollupValueBar	
Validate On Set:	No	
value0	Number (Single)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	2	
Required:	No	

Source Field:	value0
Source Table:	tblTemp_ivHistoryRollupValueBar
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:28:04 PM	Def. Updatable:	Yes
Last Updated:	2/6/96 7:28:04 PM	Record Count:	5967

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Niin	
Source Table:	tblTemp_ivSelection	
Validate On Set:	No	
Date	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Date	
Source Table:	tblTemp_ivSelection	
Validate On Set:	No	
RepQty	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	RepQty	
Source Table:	tblTemp_ivSelection	
Validate On Set:	No	
IpQty	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	IpQty	
Source Table:	tblTemp_ivSelection	

	Validate On Set:	No		
CsiQty			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	CsiQty		
	Source Table:	tblTemp_ivSelection		
	Validate On Set:	No		
BoQty			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	BoQty		
	Source Table:	tblTemp_ivSelection		
	Validate On Set:	No		
AwpQty			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Data Updatable:	No		
	Ordinal Position:	6		
	Required:	No		
	Source Field:	AwpQty		
	Source Table:	tblTemp_ivSelection		
	Validate On Set:	No		

**Table Indexes**

Name	Number of Fields
nsn	1
Clustered:	No
Distinct Count:	72
Foreign:	No
Ignore Nulls:	No
Name:	nsn
Primary:	No
Required:	No
Unique:	No
Fields:	Niin, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Date Created:	8/2/96 7:38:12 AM	Def. Updatable:	Yes
Last Updated:	8/2/96 7:40:10 AM	Record Count:	193

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Niin	
Source Table:	tblTemp_IdNiinsAdd	
Validate On Set:	No	
Sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Sgm	
Source Table:	tblTemp_IdNiinsAdd	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 8/2/96 7:39:12 AM      Def. Updatable: Yes  
Last Updated: 8/2/96 7:39:13 AM      Record Count: 0

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	Niin	
Source Table:	tblTemp_IdNiinsDelete	
Validate On Set:	No	
Sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	Sgm	
Source Table:	tblTemp_IdNiinsDelete	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	8/2/96 7:40:37 AM	Def. Updatable:	Yes
Last Updated:	8/2/96 7:40:38 AM	Record Count:	59

**Columns**

Name	Type	Size
Sran	Text	6
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 0		
Required: No		
Source Field: Sran		
Source Table: tblTemp_IdSransAdd		
Validate On Set: No		
Base_Name	Text	50
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: Base_Name		
Source Table: tblTemp_IdSransAdd		
Validate On Set: No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	8/2/96 7:40:57 AM	Def. Updatable:	Yes
Last Updated:	8/2/96 7:40:58 AM	Record Count:	0

**Columns**

Name	Type	Size
Sran	Text	6
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 0		
Required: No		
Source Field: Sran		
Source Table: tblTemp_IdSransDelete		
Validate On Set: No		
Base_Name	Text	50
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: Base_Name		
Source Table: tblTemp_IdSransDelete		
Validate On Set: No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Date Created:	8/1/96 1:30:27 PM	Def. Updatable:	Yes
Last Updated:	8/1/96 1:52:25 PM	Record Count:	193

**Columns**

Name	Type	Size
Niin	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: Niin		
Source Table: tblTemp_IdUpdatedNiins		
Validate On Set: No		
Sgm	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 2		
Required: No		
Source Field: Sgm		
Source Table: tblTemp_IdUpdatedNiins		
Validate On Set: No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	8/2/96 7:10:51 AM	Def. Updatable:	Yes
Last Updated:	8/2/96 7:14:56 AM	Record Count:	59

**Columns**

Name	Type	Size
Sran	Text	6
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 1		
Required: No		
Source Field: Sran		
Source Table: tblTemp_IdUpdatedSrans		
Validate On Set: No		
Base_Name	Text	50
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 2		
Required: No		
Source Field: Base_Name		
Source Table: tblTemp_IdUpdatedSrans		
Validate On Set: No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/8/96 1:05:27 PM      Def. Updatable: Yes  
Last Updated: 2/9/96 12:56:58 PM      Record Count: 0

**Columns**

Name	Type	Size
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	sgm	
Source Table:	tblTemp_IsLastConstraintDate	
Validate On Set:	No	
lastConstraintDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	lastConstraintDate	
Source Table:	tblTemp_IsLastConstraintDate	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	sgm, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/8/96 1:07:04 PM Def. Updatable: Yes  
Last Updated: 2/9/96 12:57:08 PM Record Count: 0

**Columns**

Name	Type	Size
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	sgm	
Source Table:	tblTemp_IsLastExcessDate	
Validate On Set:	No	
lastExcessDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	lastExcessDate	
Source Table:	tblTemp_IsLastExcessDate	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	sgm, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions



**Properties**

Date Created: 2/8/96 12:41:48 PM  
Last Updated: 2/9/96 12:57:19 PM

Def. Updatable: Yes  
Record Count: 0

**Columns**

Name	Type	Size
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	sgm	
Source Table:	tblTemp_IsLastLevelChange	
Validate On Set:	No	
changeDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	changeDate	
Source Table:	tblTemp_IsLastLevelChange	
Validate On Set:	No	
level	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	3	
Required:	No	
Source Field:	level	
Source Table:	tblTemp_IsLastLevelChange	

---

Validate On Set: No

---

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	sgm, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:28:07 PM      Def. Updatable: Yes  
Last Updated: 2/9/96 12:57:27 PM      Record Count: 0

**Columns**

Name	Type	Size
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	sgm	
Source Table:	tblTemp_IsMinNetCsi	
Validate On Set:	No	
minNetCsi	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	2	
Required:	No	
Source Field:	minNetCsi	
Source Table:	tblTemp_IsMinNetCsi	
Validate On Set:	No	

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	0
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes

Unique:	Yes
Fields:	sgm, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:28:11 PM	Def. Updatable:	Yes
Last Updated:	3/1/96 12:44:13 PM	Record Count:	70

**Columns**

Name	Type	Size
niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	niin	
Source Table:	tblTemp_IsNewLevels	
Validate On Set:	No	
select	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	2	
Required:	No	
Source Field:	select	
Source Table:	tblTemp_IsNewLevels	
Validate On Set:	No	
calcLevel	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Ordinal Position:	3	
Required:	No	
Source Field:	calcLevel	
Source Table:	tblTemp_IsNewLevels	

	Validate On Set:	No		
code			Text	1
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	code		
	Source Table:	tblTemp_IsNewLevels		
	Validate On Set:	No		
newLevel			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	newLevel		
	Source Table:	tblTemp_IsNewLevels		
	Validate On Set:	No		
reason			Text	50
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Ordinal Position:	6		
	Required:	No		
	Source Field:	reason		
	Source Table:	tblTemp_IsNewLevels		
	Validate On Set:	No		
avgRepTime			Number (Integer)	2
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		

Decimal Places: Auto  
Ordinal Position: 7  
Required: No  
Source Field: avgRepTime  
Source Table: tblTemp\_IsNewLevels  
Validate On Set: No

currentWip Number (Integer) 2

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Decimal Places: Auto  
Ordinal Position: 8  
Required: No  
Source Field: currentWip  
Source Table: tblTemp\_IsNewLevels  
Validate On Set: No

currentCsi Number (Integer) 2

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Decimal Places: Auto  
Ordinal Position: 9  
Required: No  
Source Field: currentCsi  
Source Table: tblTemp\_IsNewLevels  
Validate On Set: No

currentBo Number (Integer) 2

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Decimal Places: Auto  
Ordinal Position: 10  
Required: No  
Source Field: currentBo  
Source Table: tblTemp\_IsNewLevels  
Validate On Set: No

startDate Date/Time 8

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Ordinal Position: 11  
Required: No  
Source Field: startDate  
Source Table: tblTemp\_IsNewLevels  
Validate On Set: No

setToCalc Yes/No 1

Allow Zero Length: No  
Attributes: Fixed Size  
Collating Order: Unknown or Undefined  
Column Hidden: No  
Column Order: Default  
Column Width: Default  
Data Updatable: No  
Format: Yes/No  
Ordinal Position: 12  
Required: 1  
Source Field: setToCalc  
Source Table: tblTemp\_IsNewLevels  
Validate On Set: No

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	70
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	niin, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	



SysOp

Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:28:15 PM      Def. Updatable: Yes  
Last Updated: 2/13/96 1:35:00 PM      Record Count: 271

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_rsHistoryRollup	
Validate On Set:	No	
label	Text	15
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	label	
Source Table:	tblTemp_rsHistoryRollup	
Validate On Set:	No	
avg0	Number (Single)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	3	
Required:	No	

	Source Field:	avg0	
	Source Table:	tblTemp_rsHistoryRollup	
	Validate On Set:	No	
stDev0		Number (Single)	4
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Decimal Places:	Auto	
	Default Value:	0	
	Ordinal Position:	4	
	Required:	No	
	Source Field:	stDev0	
	Source Table:	tblTemp_rsHistoryRollup	
	Validate On Set:	No	
min0		Number (Single)	4
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Decimal Places:	Auto	
	Default Value:	0	
	Ordinal Position:	5	
	Required:	No	
	Source Field:	min0	
	Source Table:	tblTemp_rsHistoryRollup	
	Validate On Set:	No	
max0		Number (Single)	4
	Allow Zero Length:	No	
	Attributes:	Fixed Size	
	Collating Order:	Unknown or Undefined	
	Column Hidden:	No	
	Column Order:	Default	
	Column Width:	Default	
	Data Updatable:	No	
	Decimal Places:	Auto	
	Default Value:	0	
	Ordinal Position:	6	
	Required:	No	
	Source Field:	max0	
	Source Table:	tblTemp_rsHistoryRollup	
	Validate On Set:	No	
qty		Number (Long)	4

Allow Zero Length:	No
Attributes:	Fixed Size
Collating Order:	Unknown or Undefined
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Decimal Places:	Auto
Default Value:	0
Ordinal Position:	7
Required:	No
Source Field:	qty
Source Table:	tblTemp_rsHistoryRollup
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:28:20 PM

Def. Updatable: Yes

Last Updated: 2/6/96 7:28:21 PM

Record Count: 247

**Columns**

Name	Type	Size
timeIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	timeIndex	
Source Table:	tblTemp_rsHistoryRollupNonNull	
Validate On Set:	No	
qty	Number (Long)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	qty	
Source Table:	tblTemp_rsHistoryRollupNonNull	
Validate On Set:	No	
avg	Number (Single)	4
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	

	Ordinal Position:	2		
	Required:	No		
	Source Field:	avg		
	Source Table:	tblTemp_rsHistoryRollupNonNull		
	Validate On Set:	No		
stDev			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	3		
	Required:	No		
	Source Field:	stDev		
	Source Table:	tblTemp_rsHistoryRollupNonNull		
	Validate On Set:	No		
min			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	min		
	Source Table:	tblTemp_rsHistoryRollupNonNull		
	Validate On Set:	No		
max			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	max		
	Source Table:	tblTemp_rsHistoryRollupNonNull		
	Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:28:24 PM	Def. Updatable:	Yes
Last Updated:	3/22/96 9:11:56 AM	Record Count:	2611

**Columns**

Name	Type	Size
NIIN	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	NIIN	
Source Table:	tblTemp_rsSelection	
Validate On Set:	No	
Qty	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Ordinal Position:	2	
Required:	No	
Source Field:	Qty	
Source Table:	tblTemp_rsSelection	
Validate On Set:	No	
ReqDate	Date/Time	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	ReqDate	
Source Table:	tblTemp_rsSelection	
Validate On Set:	No	



ResponseTime	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Description:	Measured from requisition date to ship date	
Ordinal Position:	4	
Required:	No	
Source Field:	ResponseTime	
Source Table:	tblTemp_rsSelection	
Validate On Set:	No	
Application	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	5	
Required:	No	
Source Field:	Application	
Source Table:	tblTemp_rsSelection	
Validate On Set:	No	
SRAN	Text	6
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	6	
Required:	No	
Source Field:	SRAN	
Source Table:	tblTemp_rsSelection	
Validate On Set:	No	
DocNo	Text	20
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	

	Ordinal Position:	7		
	Required:	No		
	Source Field:	DocNo		
	Source Table:	tblTemp_rsSelection		
	Validate On Set:	No		
suffix			Text	5
	Allow Zero Length:	No		
	Attributes:	Variable Length		
	Collating Order:	General		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Ordinal Position:	8		
	Required:	No		
	Source Field:	suffix		
	Source Table:	tblTemp_rsSelection		
	Validate On Set:	No		
exclude			Yes/No	1
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	Default		
	Data Updatable:	No		
	Format:	Yes/No		
	Ordinal Position:	9		
	Required:	No		
	Source Field:	exclude		
	Source Table:	tblTemp_rsSelection		
	Validate On Set:	No		

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner

Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:28:27 PM	Def. Updatable:	Yes
Last Updated:	2/6/96 7:28:28 PM	Record Count:	0

**Columns**

Name	Type	Size
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	0	
Required:	No	
Source Field:	sgm	
Source Table:	tblTemp_taBreachData	
Validate On Set:	No	
value	Number (Double)	8
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	value	
Source Table:	tblTemp_taBreachData	
Validate On Set:	No	
groupDays	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	2	
Required:	No	

Source Field:	groupDays		
Source Table:	tblTemp_taBreachData		
Validate On Set:	No		
metricIndex	Number (Integer)	2	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	3		
Required:	No		
Source Field:	metricIndex		
Source Table:	tblTemp_taBreachData		
Validate On Set:	No		
startDate	Date/Time	8	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	4		
Required:	No		
Source Field:	startDate		
Source Table:	tblTemp_taBreachData		
Validate On Set:	No		
timeIndex	Number (Integer)	2	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	5		
Required:	No		
Source Field:	timeIndex		
Source Table:	tblTemp_taBreachData		
Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 2/6/96 7:28:32 PM      Def. Updatable: Yes  
Last Updated: 2/6/96 7:28:32 PM      Record Count: 0

**Columns**

Name	Type	Size
metricIndex	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	870	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	metricIndex	
Source Table:	tblTemp_taTakeActionLines	
Validate On Set:	No	
sgm	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	sgm	
Source Table:	tblTemp_taTakeActionLines	
Validate On Set:	No	
groupDays	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Description:	Either 1, 7, or 30	
Ordinal Position:	2	

	Required:	No		
	Source Field:	groupDays		
	Source Table:	tblTemp_taTakeActionLines		
	Validate On Set:	No		
hiTal1			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	1050		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Description:	1 = Warning or caution level.		
	Ordinal Position:	3		
	Required:	No		
	Source Field:	hiTal1		
	Source Table:	tblTemp_taTakeActionLines		
	Validate On Set:	No		
loTal1			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	1050		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Ordinal Position:	4		
	Required:	No		
	Source Field:	loTal1		
	Source Table:	tblTemp_taTakeActionLines		
	Validate On Set:	No		
hiTal2			Number (Single)	4
	Allow Zero Length:	No		
	Attributes:	Fixed Size		
	Collating Order:	Unknown or Undefined		
	Column Hidden:	No		
	Column Order:	Default		
	Column Width:	930		
	Data Updatable:	No		
	Decimal Places:	Auto		
	Default Value:	0		
	Description:	2 = Critical or alarm level		
	Ordinal Position:	5		
	Required:	No		
	Source Field:	hiTal2		
	Source Table:	tblTemp_taTakeActionLines		



Validate On Set:	No		
loTal2		Number (Single)	4
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	945		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	6		
Required:	No		
Source Field:	loTal2		
Source Table:	tblTemp_taTakeActionLines		
Validate On Set:	No		

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:28:36 PM	Def. Updatable:	Yes
Last Updated:	2/6/96 7:28:36 PM	Record Count:	13

**Columns**

Name	Type	Size
sgm	Text	9
Allow Zero Length: No		
Attributes: Variable Length		
Collating Order: General		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Ordinal Position: 0		
Required: No		
Source Field: sgm		
Source Table: tblTemp_taTalData		
Validate On Set: No		
timeIndex	Number (Integer)	2
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Decimal Places: Auto		
Default Value: 0		
Ordinal Position: 1		
Required: No		
Source Field: timeIndex		
Source Table: tblTemp_taTalData		
Validate On Set: No		
value	Number (Double)	8
Allow Zero Length: No		
Attributes: Fixed Size		
Collating Order: Unknown or Undefined		
Column Hidden: No		
Column Order: Default		
Column Width: Default		
Data Updatable: No		
Decimal Places: Auto		
Default Value: 0		
Ordinal Position: 2		
Required: No		

Source Field:	value
Source Table:	tblTemp_taTalData
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:28:40 PM	Def. Updatable:	Yes
Last Updated:	2/13/96 1:36:17 PM	Record Count:	140

**Columns**

Name	Type	Size
niin	Text	9
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	1	
Source Field:	niin	
Source Table:	tblTemp_twSelectedNiins	
Validate On Set:	No	

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	2/6/96 7:28:44 PM	Def. Updatable:	Yes
Last Updated:	3/22/96 9:11:06 AM	Record Count:	529

**Columns**

Name	Type	Size
srn	Text	6

Allow Zero Length:	No
Attributes:	Variable Length
Collating Order:	General
Column Hidden:	No
Column Order:	Default
Column Width:	Default
Data Updatable:	No
Ordinal Position:	1
Required:	1
Source Field:	srn
Source Table:	tblTemp_twSelectedSrans
Validate On Set:	No

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created:	1/23/96 9:10:06 PM	Def. Updatable:	Yes
Last Updated:	4/23/96 8:03:41 AM	Record Count:	13

**Columns**

Name	Type	Size
id	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	1	
Required:	No	
Source Field:	id	
Source Table:	tblToolNames	
Validate On Set:	No	
shortName	Text	2
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	shortName	
Source Table:	tblToolNames	
Validate On Set:	No	
longName	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	2280	
Data Updatable:	No	
Ordinal Position:	3	
Required:	No	
Source Field:	longName	
Source Table:	tblToolNames	

Validate On Set:	No		
menuMode		Text	3
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	4		
Required:	No		
Source Field:	menuMode		
Source Table:	tblToolNames		
Validate On Set:	No		
menuIndex		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1050		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	5		
Required:	No		
Source Field:	menuIndex		
Source Table:	tblToolNames		
Validate On Set:	No		
description		Memo	-
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	6		
Required:	No		
Source Field:	description		
Source Table:	tblToolNames		
Validate On Set:	No		
stdToolForms		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		

Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	7		
Required:	No		
Source Field:	stdToolForms		
Source Table:	tblToolNames		
Validate On Set:	No		
hasTrans		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	8		
Required:	No		
Source Field:	hasTrans		
Source Table:	tblToolNames		
Validate On Set:	No		
hasValues		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	9		
Required:	No		
Source Field:	hasValues		
Source Table:	tblToolNames		
Validate On Set:	No		
hasSources		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	10		
Required:	No		
Source Field:	hasSources		
Source Table:	tblToolNames		
Validate On Set:	No		



demandTransactions	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Description:	If no, then transaction rollups are repair related	
Format:	Yes/No	
Ordinal Position:	11	
Required:	No	
Source Field:	demandTransactions	
Source Table:	tblToolNames	
Validate On Set:	No	
installed	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	12	
Required:	No	
Source Field:	installed	
Source Table:	tblToolNames	
Validate On Set:	No	
dataAvailable	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Description:	Set every time the LDB is changed	
Format:	Yes/No	
Ordinal Position:	13	
Required:	No	
Source Field:	dataAvailable	
Source Table:	tblToolNames	
Validate On Set:	No	
needAcquisitions	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	

Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	14		
Required:	No		
Source Field:	needAcquisitions		
Source Table:	tblToolNames		
Validate On Set:	No		
needDemands	Yes/No		1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	15		
Required:	No		
Source Field:	needDemands		
Source Table:	tblToolNames		
Validate On Set:	No		
needInventory	Yes/No		1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	16		
Required:	No		
Source Field:	needInventory		
Source Table:	tblToolNames		
Validate On Set:	No		
needLevelHistory	Yes/No		1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	17		
Required:	No		
Source Field:	needLevelHistory		
Source Table:	tblToolNames		
Validate On Set:	No		

needRepairTime	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	18	
Required:	No	
Source Field:	needRepairTime	
Source Table:	tblToolNames	
Validate On Set:	No	
needCsiPipe	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	19	
Required:	No	
Source Field:	needCsiPipe	
Source Table:	tblToolNames	
Validate On Set:	No	
needInductPipe	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	20	
Required:	No	
Source Field:	needInductPipe	
Source Table:	tblToolNames	
Validate On Set:	No	
needRetroPipe	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	

Format: Yes/No  
 Ordinal Position: 21  
 Required: No  
 Source Field: needRetroPipe  
 Source Table: tblToolNames  
 Validate On Set: No

excludeTable Text 50

Allow Zero Length: No  
 Attributes: Variable Length  
 Collating Order: General  
 Column Hidden: No  
 Column Order: Default  
 Column Width: Default  
 Data Updatable: No  
 Description: Used in transaction rollups so that the records in the parent table get excluded  
 Ordinal Position: 22  
 Required: No  
 Source Field: excludeTable  
 Source Table: tblToolNames  
 Validate On Set: No

**Table Indexes**

Name	Number of Fields
PrimaryKey	1
Clustered:	No
Distinct Count:	13
Foreign:	No
Ignore Nulls:	No
Name:	PrimaryKey
Primary:	Yes
Required:	Yes
Unique:	Yes
Fields:	id, Ascending
shortName	1
Clustered:	No
Distinct Count:	13
Foreign:	No
Ignore Nulls:	No
Name:	shortName
Primary:	No
Required:	No
Unique:	Yes
Fields:	shortName, Ascending

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

**Properties**

Date Created: 1/23/96 9:10:07 PM      Def. Updatable: Yes  
Last Updated: 4/2/96 8:49:07 AM      Record Count: 14

**Columns**

Name	Type	Size
id	Number (Integer)	2
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Decimal Places:	Auto	
Default Value:	0	
Ordinal Position:	0	
Required:	No	
Source Field:	id	
Source Table:	tblToolNamesOriginalXXX	
Validate On Set:	No	
shortName	Text	2
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Ordinal Position:	1	
Required:	No	
Source Field:	shortName	
Source Table:	tblToolNamesOriginalXXX	
Validate On Set:	No	
longName	Text	50
Allow Zero Length:	No	
Attributes:	Variable Length	
Collating Order:	General	
Column Hidden:	No	
Column Order:	Default	
Column Width:	2280	
Data Updatable:	No	
Ordinal Position:	2	
Required:	No	
Source Field:	longName	
Source Table:	tblToolNamesOriginalXXX	

Validate On Set:	No		
menuMode		Text	3
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	3		
Required:	No		
Source Field:	menuMode		
Source Table:	tblToolNamesOrginalXXX		
Validate On Set:	No		
menuIndex		Number (Integer)	2
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	1050		
Data Updatable:	No		
Decimal Places:	Auto		
Default Value:	0		
Ordinal Position:	4		
Required:	No		
Source Field:	menuIndex		
Source Table:	tblToolNamesOrginalXXX		
Validate On Set:	No		
description		Memo	-
Allow Zero Length:	No		
Attributes:	Variable Length		
Collating Order:	General		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Ordinal Position:	5		
Required:	No		
Source Field:	description		
Source Table:	tblToolNamesOrginalXXX		
Validate On Set:	No		
stdToolForms		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		

Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	6		
Required:	No		
Source Field:	stdToolForms		
Source Table:	tblToolNamesOriginalXXX		
Validate On Set:	No		
hasTrans	Yes/No	1	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	7		
Required:	No		
Source Field:	hasTrans		
Source Table:	tblToolNamesOriginalXXX		
Validate On Set:	No		
hasValues	Yes/No	1	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	8		
Required:	No		
Source Field:	hasValues		
Source Table:	tblToolNamesOriginalXXX		
Validate On Set:	No		
demandTransactions	Yes/No	1	
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Description:	If no, then transaction rollups are repair related		
Format:	Yes/No		
Ordinal Position:	9		
Required:	No		
Source Field:	demandTransactions		
Source Table:	tblToolNamesOriginalXXX		
Validate On Set:	No		



installed	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	10	
Required:	No	
Source Field:	installed	
Source Table:	tblToolNamesOriginalXXX	
Validate On Set:	No	
dataAvailable	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Description:	Set every time the LDB is changed	
Format:	Yes/No	
Ordinal Position:	11	
Required:	No	
Source Field:	dataAvailable	
Source Table:	tblToolNamesOriginalXXX	
Validate On Set:	No	
needAcquisitions	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	
Data Updatable:	No	
Format:	Yes/No	
Ordinal Position:	12	
Required:	No	
Source Field:	needAcquisitions	
Source Table:	tblToolNamesOriginalXXX	
Validate On Set:	No	
needDemands	Yes/No	1
Allow Zero Length:	No	
Attributes:	Fixed Size	
Collating Order:	Unknown or Undefined	
Column Hidden:	No	
Column Order:	Default	
Column Width:	Default	

Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	13		
Required:	No		
Source Field:	needDemands		
Source Table:	tblToolNamesOrginalXXX		
Validate On Set:	No		
needInventory		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	14		
Required:	No		
Source Field:	needInventory		
Source Table:	tblToolNamesOrginalXXX		
Validate On Set:	No		
needLevelHistory		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	15		
Required:	No		
Source Field:	needLevelHistory		
Source Table:	tblToolNamesOrginalXXX		
Validate On Set:	No		
needRepairTime		Yes/No	1
Allow Zero Length:	No		
Attributes:	Fixed Size		
Collating Order:	Unknown or Undefined		
Column Hidden:	No		
Column Order:	Default		
Column Width:	Default		
Data Updatable:	No		
Format:	Yes/No		
Ordinal Position:	16		
Required:	No		
Source Field:	needRepairTime		
Source Table:	tblToolNamesOrginalXXX		
Validate On Set:	No		

User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	Delete
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	Delete
SysOps	Delete
Users	Read Permissions

## **CSIViz: CV\_USER.MDB**

### **Modules**

Audit  
AuxDatabase  
DatabaseEditor  
GenUtils  
GlobalVars  
GraphSubform  
Help  
LevelSetting  
LocalDataBases  
MainMenu  
NsnData  
PostEvent  
Printing  
ScratchPad  
Specials  
TakeActionChecks  
ToolWindow  
WinApiUtils  
zwAllGlobals

Properties

Date Created: 1/23/96 9:12:05 PM  
Owner: God

Last Updated: 4/23/96 1:59:07 PM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4
5 Dim modFormMode%
6
7 Const FM_SUMMARY = 0
8 Const FM_HISTORY = 1
9
10 Dim modCurrentNiin$
11
12 Function auChangeNiin ()
13
14     Dim f As Form
15
16     Set f = forms(auCurrentFormName())
17
18     If modFormMode = FM_HISTORY Then
19         If f!cboNiin <> modCurrentNiin Then
20             modCurrentNiin = f!cboNiin
21             f.Requery
22         End If
23     Else
24         If Not IsNull(f!niin) Then
25             modCurrentNiin = f!niin
26         End If
27     End If
28
29 End Function
30
31 Function auClickExit ()
32     'DoCmd Close A_FORM, auCurrentFormName()
33     xxx = mmQuit()
34
35 End Function
36
37 Function auClickHistory ()
38     xxx = guEchoSet(False)
39
40     mmReturnToMenu = False
41     DoCmd Close A_FORM, auCurrentFormName()
```

```
42
43     modFormMode = FM_HISTORY
44     xxx = auOpenForm()
45     DoCmd Maximize
46     xxx = guEchoSet(True)
47
48 End Function
49
50 Function auClickMenu ()
51     DoCmd Close A_FORM, auCurrentFormName()
52 End Function
53
54 Function auClickPrint ()
55     xxx = guPrint()
56 End Function
57
58 Function auClickSummary ()
59     xxx = guEchoSet(False)
60
61     mmReturnToMenu = False
62     DoCmd Close A_FORM, auCurrentFormName()
63
64     modFormMode = FM_SUMMARY
65     xxx = auOpenForm()
66     DoCmd Maximize
67     xxx = guEchoSet(True)
68
69
70 End Function
71
72 Function auCurrentFormName$ ()
73     If modFormMode = FM_SUMMARY Then
74         auCurrentFormName = "frm_auSummaryPrimary"
75     Else
76         auCurrentFormName = "frm_auHistoryPrimary"
77     End If
78 End Function
79
80 Function auFormCloseEvent ()
81     If mmReturnToMenu Then
82         xxx = mmShowMenu("au")
83     End If
84
85 End Function
86
87 Function auFormOpenEvent ()
88     Dim f As Form
89
90     Set f = forms(auCurrentFormName())
91
92     mmReturnToMenu = True
```

```

93     xxx = auInitNiin()
94     xxx = ldUpdateLdbDisplay(f)
95     If modFormMode = FM_HISTORY Then
96         f!choNiin = modCurrentNiin
97     End If
98     f.Requery
99
100 End Function
101
102 Function auGetCurrentNiin ()
103     auGetCurrentNiin = modCurrentNiin
104 End Function
105
106 Function auInitNiin ()
107     Dim rv
108
109     If Not IsNull(modCurrentNiin) And modCurrentNiin <> "" Then
110         If Not IsNull(DLookup("niin", "tblLdbSgmData", "niin=" &
modCurrentNiin & "")) Then
111             Exit Function
112         End If
113     End If
114
115     modCurrentNiin = DFirst("niin", "tblLdbSgmData")
116
117 End Function
118
119 Function auInitVars ()
120     modFormMode = FM_SUMMARY
121 End Function
122
123 Function auOpenForm ()
124     DoCmd OpenForm auCurrentFormName()
125 End Function
126

```

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
--------	-----------------------------------

Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions



**Properties**

Date Created: 1/23/96 9:12:05 PM  
Owner: God

Last Updated: 8/2/96 8:48:18 AM

**Code**

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4 Function adBaseFromSran$ (sran$)
5     adBaseFromSran = DLookup("base_name", "tblLdbSrans", "sran='" & sran & "'")
6 End Function
7
8 Function adRgnFromBase$ (b$)
9     adRgnFromBase = DLookup("Region", "tblLdbBases", "base_name='" & b & "'")
10
11 End Function
12
```

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 6/19/96 7:29:07 AM  
Owner: God

Last Updated: 12/20/96 1:02:38 PM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4
5 Dim modDefaultLdb%
6 Dim modNewLdb%
7 Dim modDataChange%, modNonDataChange%
8 Dim modCdbConnected% 'For the (dis)enabling of the Save button
9 Dim modId%
10 Dim modSor As Integer
11
12 '-----
13 ' Constants
14 '-----
15
16 '*** Transaction Date Range Ending Type
17 Global Const ET_LATEST_DATA% = 1
18 Global Const ET_TODAY% = 2
19 Global Const ET_DATE% = 3
20 Dim modEndingTypeText$(1 To 3)
21
22
23 '*** Item Management Group Types
24 Global Const MT_DIRECTORATE% = 1
25 Global Const MT_BRANCH% = 2
26 Global Const MT_MANAGER% = 3
27 Dim modMgtTypeText$(1 To 3)
28
29 '*** Source of Repair Group Types
30 Global Const ST_SOR% = 1
31 Global Const ST_SHOP% = 2
32 Global Const ST_PSSD% = 3
33 Global Const ST_RCC% = 4
34 Dim modSorTypeText$(1 To 4)
35
36 Function deCdbInit ()
37     deCdbInit = DFirst("deCdbInitialized", "tblStaticVars")
38
39 End Function
40
41 Function deChangeEndingType ()
```

```
42
43     xxx = deUpdateEndingDateControls()
44     xxx = deSetDataChange()
45
46 End Function
47
48 Function deChangeIsm ()
49     Dim f As Form
50
51     Set f = forms(deCurrentFormName())
52
53     If Not IsNull(f!cboIsm) Then
54         f!cboItemMgr = Null
55         f!cboSor = Null
56         f!cboSos = Null
57         xxx = deUpdateSosControls()
58     End If
59
60     xxx = deSetDataChange()
61
62 End Function
63
64 Function deChangeLdb ()
65     '*** This is initiated from the combo box only
66     Dim f As Form
67
68     xxx = guEchoSet(False)
69     Set f = forms(deCurrentFormName())
70     xxx = deSetLdb((f!cboLdbSelection))
71     f.Requery
72     xxx = guEchoSet(True)
73
74 End Function
75
76 Function deChangeMgr ()
77     Dim f As Form
78
79     Set f = forms(deCurrentFormName())
80
81     If Not IsNull(f!cboItemMgr) Then
82         f!cboIsm = Null
83     End If
84
85     xxx = deSetDataChange()
86
87 End Function
88
89 Function deChangeMgrType ()
90     Dim f As Form
91
92     Set f = forms(deCurrentFormName())
```

```
93
94     f!cboItemMgr = Null
95     f!cboItemMgr.rowSource = Null
96
97     xxx = deUpdateSosControls()
98     xxx = deSetDataChange()
99
100 End Function
101
102 Function deChangeSor ()
103     Dim f As Form
104
105     Set f = forms(deCurrentFormName())
106
107     modSor = True
108     If Not IsNull(f!cboSor) Then
109         f!cboIsm = Null
110     End If
111
112     xxx = deSetDataChange()
113
114 End Function
115
116 Function deChangeSorType ()
117     Dim f As Form
118
119     Set f = forms(deCurrentFormName())
120
121     modSor = True
122     f!cboSor = Null
123     f!cboSor.rowSource = Null
124     f!cboSor.Enabled = True
125
126     xxx = deUpdateSorControls()
127     xxx = deSetDataChange()
128
129
130 End Function
131
132 Function deChangeSos ()
133     Dim f As Form
134
135     Set f = forms(deCurrentFormName())
136
137     f!ldItemMgr = Null
138     f!cboItemMgr.rowSource = Null
139
140     If Not IsNull(f!cboSos) Then
141         f!cboIsm = Null
142     End If
143
```

```
144     xxx = deUpdateSosControls()
145     xxx = deSetDataChange()
146
147
148 End Function
149
150 Function deChangeTransSourceType ()
151     Dim f As Form
152
153     Set f = forms(deCurrentFormName())
154
155     f!choTransSource = Null
156     f!choTransSource.rowSource = Null
157
158     xxx = deUpdateTransSourceControls()
159     xxx = deSetDataChange()
160
161
162 End Function
163
164 Function deClickCancel ()
165     Dim db As Database
166     Dim rs As Recordset
167     Dim f As Form
168
169     Set f = forms(deCurrentFormName())
170     xxx = guEchoSet(False)
171     xxx = deRefreshTable()
172     f.Requery
173     Set db = DBEngine(0)(0)
174     Set rs = db.OpenRecordset("SELECT DISTINCTROW tblLauxLdbDefs.ldSortType FROM
tblLauxLdbDefs WHERE ((tblLauxLdbDefs.ldIndex = deGetIndex()));")
175     If Not rs.EOF Then
176         If rs!ldSortType = 3 Or rs!ldSortType = 4 Then modSor = False Else modSor
= True
177     End If
178
179     xxx = deSetLdb(modId)
180     xxx = guEchoSet(True)
181
182 End Function
183
184 Function deClickCustomNsnGroup ()
185     MsgBox "Custom NSN Groups are currently not supported.",
MB_ICONINFORMATION, "Database Editor"
186     DoCmd CancelEvent
187 End Function
188
189 Function deClickDelete ()
190     Dim f As Form
191
```

```
192     xxx = guEchoSet(False)
193
194     Kill ldLdbFileName(modId)
195     DoCmd SetWarnings False
196     DoCmd OpenQuery "qry_deDeleteLdb"
197     DoCmd SetWarnings True
198
199     If ldGetId() = modId Then
200         xxx = ldSetCurrentLdb(0)
201     End If
202     Set f = forms(deCurrentFormName())
203     f!cboLdbSelection.Requery
204     xxx = deSetLdb(ldGetId())
205     f.Requery
206
207     xxx = guEchoSet(True)
208
209
210 End Function
211
212 Function deClickExit ()
213     xxx = mmQuit()
214 End Function
215
216 Function deClickMenu ()
217     DoCmd Close A_FORM, deCurrentFormName()
218 End Function
219
220 Function deClickNew ()
221     Dim m$
222     Dim f As Form
223
224     If DFirst("Not CdbEnabled", "tblStaticVars") Then
225         m = "New databases cannot be created "
226         m = m & " unless a central database is available."
227         m = m & " Use the Control Panel to set up"
228         m = m & " the central database."
229         MsgBox m, MB_ICONINFORMATION, "New Database"
230         Exit Function
231     End If
232     If DFirst("Not deCdbInitialized", "tblStaticVars") Then
233         m = "New databases cannot be created "
234         m = m & " until an initial download from the central database"
235         m = m & " has been done. This is done by clicking [UPDATE NOW]"
236         m = m & " on the Control Panel."
237         MsgBox m, MB_ICONINFORMATION, "New Database"
238         Exit Function
239     End If
240     modNewLdb = True
241     Set f = forms(deCurrentFormName())
242     f!ldWriteProtect = False
```

```
243     f!ldNoUpdates = False
244     xxx = deUpdateAllControls()
245
246 End Function
247
248 Function deClickPrint ()
249     xxx = guPrint()
250 End Function
251
252 Function deClickRepairLoc ()
253     DoCmd CancelEvent
254     MsgBox "Filtering transactions by the repair location is currently not
supported.", MB_ICONINFORMATION, "Database Editor"
255
256 End Function
257
258 Function deClickSave ()
259
260     Dim f As Form
261
262     If deSaveChanges() Then
263         'xxx = guEchoSet(False)
264         Set f = forms(deCurrentFormName())
265         f!choLdbSelection.Requery
266         xxx = deSetLdb(modId)
267         f.Requery
268         'xxx = guEchoSet(True)
269     End If
270
271 End Function
272
273 Function deClickWeapon ()
274     DoCmd CancelEvent
275     MsgBox "Filtering NSNs by weapon system is currently not supported.",
MB_ICONINFORMATION, "Database Editor"
276
277 End Function
278
279 Function deCurrentFormName ()
280     deCurrentFormName = "frm_dePrimary"
281 End Function
282
283 Function deFormAfterUpdate ()
284     Dim f As Form
285
286     Set f = forms(deCurrentFormName())
287     f!btnNew.Enabled = False
288 End Function
289
290 Function deFormCloseEvent ()
291     Dim m$
```

```
292
293     If modDataChange Or modDataChange Or modNonDataChange Then
294         m = "Your latest changes have not been saved."
295         m = m & " Do you want to save them before leaving the module?"
296         If IDNO <> MsgBox(m, MB_ICONEXCLAMATION + MB_YESNO, "Save Changes") Then
297             xxx = deSaveChanges()
298         End If
299     End If
300
301     If mmReturnToMenu Then
302         xxx = mmShowMenu("de")
303     End If
304
305 End Function
306
307 Function deFormOpenEvent ()
308
309     xxx = mmInitAll(True)
310     mmReturnToMenu = True
311     xxx = deSetLdb(ldGetId())
312
313 End Function
314
315 Function deGetIndex ()
316     deGetIndex = modId
317 End Function
318
319 Function deGetMgtType ()
320     deGetMgtType = forms(deCurrentFormName())!cboItemMgrType
321 End Function
322
323 Function deGetSos ()
324     deGetSos = Null
325     On Error Resume Next
326     deGetSos = forms(deCurrentFormName())!ldSos
327 End Function
328
329 Function deInitVars ()
330     Static initialized
331
332     If initialized Then
333         Exit Function
334     End If
335     initialized = True
336
337
338     modEndingTypeText(ET_LATEST_DATA) = "Of Latest Data"
339     modEndingTypeText(ET_TODAY) = "From Today"
340     modEndingTypeText(ET_DATE) = "Ending On"
341
342
```



```
343     '*** Item Management Group Types
344     modMgtTypeText(MT_DIRECTORATE) = "Directorate"
345     modMgtTypeText(MT_BRANCH) = "Branch"
346     modMgtTypeText(MT_MANAGER) = "Manager"
347
348     '*** Source of Repair Group Types
349     modSorTypeText(ST_SOR) = "SOR"
350     modSorTypeText(ST_SHOP) = "Shop"
351     modSorTypeText(ST_PSSD) = "PSSD"
352     modSorTypeText(ST_RCC) = "RCC"
353
354 End Function
355
356 Function deRefreshTable ()
357     'Required because the table will be locked otherwise
358
359     If modDataChange Or modNonDataChange Then
360         forms(deCurrentFormName()).Refresh
361     End If
362
363 End Function
364
365 Function deSaveChanges! ()
366     Dim f As Form
367     Dim m$
368
369
370     '*** Check for duplicate names
371     Set f = forms(deCurrentFormName())
372     xxx = deRefreshTable()
373     If 0 < DCount("?", "tblLauxLdbDefs", "ldName=" & f!ldName & "" AND (" &
modNewLdb & " OR ldIndex<>" & modId & ")") Then
374         m = "The database name is already used. Unable to save."
375         MsgBox m, MB_ICONEXCLAMATION, "Duplicate Database Name"
376         DoEvents
377         deSaveChanges = False
378         Exit Function
379     End If
380
381     '*** Update tblLauxDefs
382     If modNewLdb Then
383         xxx = deSetNewIndex()
384         xxx = guCopyFile(ldLdbFileName(0), ldLdbFileName(modId))
385         DoCmd SetWarnings False
386         DoCmd OpenQuery "qry_deAddNewLdb"
387         DoCmd SetWarnings True
388     ElseIf modDataChange Then
389         DoCmd SetWarnings False
390         DoCmd OpenQuery "qry_deChangeDataDef"
391         DoCmd SetWarnings True
392     ElseIf modNonDataChange Then
```

```
393      DoCmd SetWarnings False
394      DoCmd OpenQuery "qry_deChangeNonDataDef"
395      DoCmd SetWarnings True
396  End If
397
398
399  '*** Remove old data if necessary
400  If modDataChange And Not modNewLdb Then
401      xxx = ldFlushLdbData(modId, True)
402
403      If modId = ldGetId() Then
404          '*** The following is to flush the temp data tables and to
405          '*** reinitialize module permissions
406          xxx = ldSetCurrentLdb(modId)
407      End If
408  End If
409
410
411  '*** Update the data if requested
412  If modNewLdb Or modDataChange Then
413      If modNewLdb Then
414          m = "You have created a new database definition,"
415      Else
416          m = "You have changed the data requirements for an existing
417          database."
418      End If
419      m = m & " but new data has not been downloaded from the central
420      database."
421      m = m & guCRLF() & "Do you want to download the data right now?"
422      If IDYES = MsgBox(m, MB_ICONQUESTION + MB_YESNO, "Update Local
423      Database") Then
424          DoEvents
425          If ldAttachToCdb() Then
426              guStatusMsg "Updating Local DB . . ."
427              xxx = ldUpdateLauxTables()
428              xxx = ldUpdateOneLdb(modId, True)
429              xxx = ldReleaseCdb()
430              guStatusClose
431          End If
432      End If
433  End If
434
435  '*** If this is the "first" database, then make it the program selection
436  If ldGetId() = 0 Then
437      xxx = ldSetCurrentLdb(0)
438  End If
439
440  deSaveChanges = True
441 End Function
```

```
441
442 Function deSetDataChange ()
443     If modDataChange Then Exit Function
444     modDataChange = True
445     'xxx = guEchoSet(False)
446     xxx = deUpdateDefControls()
447     'xxx = guEchoSet(True)
448
449 End Function
450
451 Function deSetLdb (id%)
452     Dim f As Form
453     Dim db As Database
454     Dim rs As Recordset
455
456     modId = id
457     DoCmd SetWarnings False
458     If modId = 0 Then
459         modNewLdb = True
460         modSor = True
461         DoCmd OpenQuery "qry_deInitCurrentLdbDefault"
462     Else
463         modNewLdb = False
464         DoCmd OpenQuery "qry_deInitCurrentLdb"
465     End If
466     DoCmd SetWarnings True
467
468     '*** Check to see if there is a Cdb for deUpdateDefControls
469     Set db = DBEngine(0)(0)
470     Set rs = db.OpenRecordset("tblStaticVars", DB_READONLY)
471     If rs!deCdbInitialized Then
472         modCdbConnected = True
473     Else
474         modCdbConnected = False
475     End If
476     rs.Close
477
478     modDataChange = False
479     modNonDataChange = False
480
481     If Not modNewLdb Then
482         Set f = forms(deCurrentFormName())
483         f!cboLdbSelection = modId
484     End If
485
486     xxx = deUpdateAllControls()
487 End Function
488
489 Function deSetNewIndex ()
490     Dim db As Database, rs As Recordset
491     Dim i%, found%
```

```
492
493     Set db = DBEngine(0) (0)
494     Set rs = db.OpenRecordset("qry_deLdbIndices", DB_OPEN_DYNASET)
495
496     i = 1
497     If Not rs.eof Then
498         found = False
499         Do Until rs.eof Or found
500             If rs.ldIndex <> i Then
501                 found = True
502             Else
503                 i = i + 1
504                 rs.MoveNext
505             End If
506         Loop
507     End If
508     modId = i
509
510 End Function
511
512 Function deSetNonDataChange ()
513     If modNonDataChange Then Exit Function
514     modNonDataChange = True
515     'xxx = guEchoSet(False)
516     xxx = deUpdateDefControls()
517     'xxx = guEchoSet(True)
518
519 End Function
520
521 Function deUpdateAllControls ()
522     Dim f As Form
523     Dim enable%
524
525     Set f = forms(deCurrentFormName())
526
527     '*** Temporarily move the focus jsut in case the current active control
528     '*** needs to be disabled or hidden
529     On Error Resume Next 'This is here for when the form hasn't been loaded
530     yet
531     f!btnMenu.SetFocus
532     On Error GoTo 0
533
534     f!cboLdbSelection.visible = Not modNewLdb
535
536     enable = Not f!ldWriteProtect And DFirst("deCdbInitialized",
537     "tblStaticVars")
538     xxx = guEnableEditting(f!txtName, enable, False)
539     xxx = guEnableEditting(f!txtDescription, enable, False)
540     xxx = guEnableEditting(f!chkNoUpdates, enable, False)
541     xxx = guEnableEditting(f!cboSor, enable, False)
```

```
541     xxx = guEnableEditting(f!cboSorType, enable, False)
542     xxx = guEnableEditting(f!cboSos, enable, False)
543     xxx = guEnableEditting(f!cboItemMgr, enable, False)
544     xxx = guEnableEditting(f!cboItemMgrType, enable, False)
545     xxx = guEnableEditting(f!cboWeapon, enable, False)
546     xxx = guEnableEditting(f!cboIsm, enable, False)
547     xxx = guEnableEditting(f!chkNsnGroup, enable, False)
548     xxx = guEnableEditting(f!txtMonths, enable, False)
549     xxx = guEnableEditting(f!cboEndingType, enable, False)
550     xxx = guEnableEditting(f!txtEndingDate, enable, False)
551     xxx = guEnableEditting(f!txtStartingDate, enable, False)
552     xxx = guEnableEditting(f!cboTransSource, enable, False)
553     xxx = guEnableEditting(f!cboTransSourceType, enable, False)
554     xxx = guEnableEditting(f!cboRepairLoc, enable, False)
555     xxx = guEnableEditting(f!cboRepairLocType, enable, False)
556     xxx = guEnableEditting(f!chkShipTimes, enable, False)
557     xxx = guEnableEditting(f!chkDemands, enable, False)
558     xxx = guEnableEditting(f!chkInventory, enable, False)
559     xxx = guEnableEditting(f!chkShopTimes, enable, False)
560     xxx = guEnableEditting(f!chkProcurement, enable, False)
561     If f!cboSorType = 3 Or f!cboSorType = 4 Then f!cboSor.Enabled = False
562     xxx = deUpdateDefControls()
563
564     '*** Returns the focus to the original control if still enabled and visible
565     On Error Resume Next     'This is here for when the form hasn't been loaded
yet
566     screen.previouscontrol.SetFocus
567     On Error GoTo 0
568
569 End Function
570
571 Function deUpdateDefControls ()
572     '*** This updates only the controls that are affected when a definition
573     '*** is modified.
574
575     Dim f As Form
576     Dim c$
577     Dim s$
578
579     Set f = forms(deCurrentFormName())
580
581     If f!ldWriteProtect Then
582         c = "*** Write Protected ***"
583     ElseIf DFirst("Not CdbEnabled", "tblStaticVars") Then
584         c = "*** Central Database Not Being Used ***"
585     ElseIf DFirst("Not deCdbInitialized", "tblStaticVars") Then
586         c = "*** Not Initialized From CDB Yet ***"
587     ElseIf modNewLdb Then
588         c = "*** New Definition ***"
589     ElseIf modNonDataChange Or modDataChange Then
590         c = "*** Definition Modified ***"
```

```
591 Else
592     c = ""
593 End If
594 If c <> f!lblNote.caption Or IsNull(f!lblNote.caption) Then
595     f!lblNote.caption = c
596 End If
597
598 If modDataChange Or modNonDataChange Or modNewLdb Then
599     If f!btnNew.Enabled Then
600         f!btnNew.Enabled = False
601         f!btnDelete.Enabled = False
602         f!btnCancel.Enabled = True
603         If modCdbConnected Then           'if there is a Cdb then
604             f!btnSave.Enabled = True     'enable save button
605         Else
606             f!btnSave.Enabled = False
607         End If
608         xxx = guEnableEditing(f!cboLdbSelection, False, False)
609     End If
610 Else
611     If Not f!btnNew.Enabled Then
612         f!btnNew.Enabled = True
613         f!btnDelete.Enabled = True
614         f!btnSave.Enabled = False
615         f!btnCancel.Enabled = False
616         xxx = guEnableEditing(f!cboLdbSelection, True, False)
617     End If
618 End If
619
620 If modDataChange Or modNonDataChange Or modNewLdb Or f!ldWriteProtect Then
621     If f!btnDelete.Enabled Then
622         f!btnDelete.Enabled = False
623     End If
624 Else
625     If Not f!btnDelete.Enabled Then
626         f!btnDelete.Enabled = True
627     End If
628 End If
629
630 xxx = deUpdateEndingDateControls()
631 If modSor Then xxx = deUpdateSorControls()
632 xxx = deUpdateSosControls()
633 xxx = deUpdateTransSourceControls()
634 End Function
635
636 Function deUpdateEndingDateControls ()
637     Dim f As Form
638
639     Set f = forms(deCurrentFormName())
640
641     Select Case f!cboEndingType
```

```
642         Case ET_LATEST_DATA, ET_TODAY
643             f!txtEndingDate.visible = False
644
645         Case ET_DATE
646             f!ldEndingDate = Date
647             f!txtEndingDate.visible = True
648     End Select
649
650
651 End Function
652
653 Function deUpdateSorControls ()
654     '*** This updates only the controls that are affected when the SOR type
655     '*** is changed or initialized.
656     Dim db As Database
657     Dim rs As Recordset
658     Dim f As Form
659     Dim c$
660     Dim s$, s1$, s2$, s3$, s4$, s5$
661
662     Set f = forms(deCurrentFormName())
663
664     s1 = "SELECT [blank] AS [Sor] FROM [tbl_deBlank] UNION SELECT"
665     s3 = " AS [Sor] FROM "
666     s5 = " ORDER BY [Sor];"
667
668     Select Case f!cboSorType
669         Case ST_SOR
670             s2 = " [Symbol]"
671             s4 = " [tbl_deAlcList]"
672
673         Case ST_SHOP
674             s2 = " [Shop]"
675             s4 = " [tblLauxShopData]"
676
677         Case ST_PSSD
678             's2 = " [Pssd]"
679             's4 = " [tblLauxPssdData]"
680             DoCmd OpenForm "frm_dePssdSelection", , , , A_DIALOG
681             Set db = DBEngine(0) (0)
682             Set rs = db.OpenRecordset("tblTemp_deSorList")
683
684             If rs.BOF Then f!cboSor = Null Else f!cboSor = rs!Sor
685             f!cboSor.Enabled = False
686             modSor = False
687             Exit Function
688
689         Case ST_RCC
690             's2 = " [Rcc]"
691             's4 = " [tblLauxRccData]"
692             DoCmd OpenForm "frm_deRccSelection", , , , A_DIALOG
```

```
693         Set db = DBEngine(0) (0)
694         Set rs = db.OpenRecordset("tblTemp_deSorList")
695
696         If rs.EOF Then f!cboSor = Null Else f!cboSor = rs!Sor
697         f!cboSor.Enabled = False
698         modSor = False
699         Exit Function
700
701     End Select
702     s = s1 & s2 & s3 & s4 & s5
703
704     If IsNull(f!cboSor.rowSource) Or f!cboSor.rowSource <> s Then
705         f!cboSor.rowSource = s
706         f!cboSor.Requery
707     End If
708
709
710 End Function
711
712 Function deUpdateSosControls ()
713     '*** This updates only the controls that are affected when the SOS info
714     '*** is changed or initialized.
715
716     Dim f As Form
717     Dim c$
718     Dim s$
719
720     Set f = forms(deCurrentFormName())
721
722     If IsNull(f!cboSos) Or Not f!cboSos.Enabled Or f!cboSos = "" Then
723         If f!cboItemMgr.Enabled Then
724             f!cboItemMgr.Enabled = False
725             f!cboItemMgrType.Enabled = False
726         End If
727     Else
728         If Not f!cboItemMgr.Enabled Then
729             f!cboItemMgr.Enabled = True
730             f!cboItemMgrType.Enabled = True
731         End If
732     End If
733
734
735     s = "SELECT [blank] AS [ImCode] FROM [tbl_deBlank]"
736     s = s & " UNION SELECT [ImCode] FROM "
737     Select Case f!cboItemMgrType
738     Case MT_DIRECTORATE
739         s = s & "[qry_deSosDirectorateList];"
740
741     Case MT_BRANCH
742         s = s & "[qry_deSosBranchList];"
743     End Select
```



```
744         Case MT_MANAGER
745             s = s & "[qry_deSosMgrList]";
746
747     End Select
748
749     If IsNull(f!cboItemMgr.rowSource) Or f!cboItemMgr.rowSource <> s Then
750         f!cboItemMgr.rowSource = s
751         f!cboItemMgr.Requery
752     End If
753
754 End Function
755
756 Function deUpdateTransSourceControls ()
757     '*** This updates only the controls that are affected when the
758     '*** transaction source info is changed or initialized.
759
760     Dim f As Form
761     Dim s$, s1$, s2$, s3$, s4$, s5$
762
763     Set f = forms(deCurrentFormName())
764
765     s1 = "SELECT [blank] AS [TransSource] FROM [tbl_deBlank] UNION SELECT"
766     s3 = " AS [TransSource] FROM "
767     s5 = " ORDER BY [TransSource];"
768
769     Select Case f!cboTransSourceType
770         Case SR_SRAN
771             s2 = " [Sran]"
772             s4 = " [tblLauxSrans]"
773
774         Case SR_REGION
775             s2 = " [Region]"
776             s4 = " [tblLauxBases] GROUP BY [tblLauxBases].[Region]"
777
778     End Select
779     s = s1 & s2 & s3 & s4 & s5
780
781
782     If IsNull(f!cboTransSource.rowSource) Or f!cboTransSource.rowSource <> s
783     Then
784         f!cboTransSource.rowSource = s
785         f!cboTransSource.Requery
786     End If
787
788 End Function
789
```

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 5/16/96 10:14:09 AM      Last Updated: 11/12/96 5:11:11 PM  
Owner: God

Code

```
1 .....
2 '   Module:      GenUtils
3 '   Last Mod:    5/12/96 cdm
4 .....
5
6 '-----
7 '*** A separate copy of these functions are being maintained in the User Program
8 '*** DO NOT ADD, DELETE, or MODIFY without proper coordination and
9 '*** documentation!!
10 '-----
11 Option Compare Database   'Use database order for string comparisons
12 Option Explicit
13
14 Dim endTime As Long
15
16 Dim modExpandTextX As Single
17 Dim modExpandTexty As Single
18
19 Dim modEchoCount%
20
21 Dim modPerfMeter
22
23
24
25 Function guAttach (fname$, tblSrcName$, tblDestName$)
26     Dim db As Database
27     Dim srcName$
28
29     '*** Check for attachment of the same name and remove
30     Set db = dbengine(0) (0)
31     On Error GoTo ATTACH
32     srcName = db.TableDefs(tblDestName).sourceTableName
33     On Error GoTo 0
34     If srcName = "" Then
35         MsgBox "A base table of the same name exists.  Attach procedure
36         aborted.", MB_ICONEXCLAMATION, "guAttach"
37         Exit Function
38     End If
39     db.TableDefs.Delete tblDestName
```

```
39
40
41 ATTACH:
42     On Error GoTo 0
43     db.TableDefs.Refresh
44     DoCmd TransferDatabase A_ATTACH, "Microsoft Access", fname, A_TABLE,
tblSrcName, tblDestName
45     db.TableDefs.Refresh
46     Exit Function
47
48 End Function
49
50 Function guChangeAttachmentFile (tblName$, newFileName$)
51     Dim db As Database
52     Dim td As TableDef
53
54     Set db = dbengine(0)(0)
55     'Set td = db.tabledefs(tblName)
56     'td.Connect = ";DATABASE=" & newFileName
57
58     db.TableDefs.Delete tblName
59     xxx = guAttach(newFileName, tblName, tblName)
60
61 End Function
62
63 Function guChangePasswordName ()
64     guChangePasswordName = dbengine.Workspaces(0).UserName
65 End Function
66
67 Function guChangePasswordOk ()
68     Dim f As Form
69     Dim ws As Workspace
70     Dim oldPwd, newPwd, verify
71
72     Set f = forms!frm_guChangePassword
73
74
75     If f!txtNewPwd = f!txtVerify Then
76
77         oldPwd = f!txtOldPwd
78         newPwd = f!txtNewPwd
79         verify = f!txtVerify
80
81         DoCmd Close A_FORM, f.Name
82
83         Set ws = dbengine.Workspaces(0)
84         On Error GoTo INVALID
85         ws.Users(ws.UserName).NewPassword oldPwd, newPwd
86         MsgBox "Password has been changed.", MB_ICONINFORMATION, "Change
Password"
87     Else
```

```
88     MsgBox "Verification Error. Please reenter.", MB_ICONEXCLAMATION,
      "Change Password"
89     f!txtNewPwd = ""
90     f!txtVerify = ""
91     f!txtNewPwd.SetFocus
92     End If
93     Exit Function
94
95 INVALID:
96     MsgBox "Permission denied.", MB_ICONEXCLAMATION, "Change Password"
97     Exit Function
98
99 End Function
100
101 Function guChangeTableSource (tblName$, sourceTable$)
102     Dim db As Database
103     Dim td As TableDef, tdNew As TableDef
104
105     Set db = dbengine(0)(0)
106     Set td = db.TableDefs(tblName)
107     Set tdNew = db.CreateTableDef("tblTemp")
108     tdNew.connect = td.connect
109
110     db.TableDefs.Delete tblName
111     db.TableDefs.Refresh
112
113     tdNew.Name = tblName
114     tdNew.sourceTableName = sourceTable
115     db.TableDefs.Append tdNew
116
117 End Function
118
119 Function guCopyFile (f1$, f2$)
120     Dim appPath$
121     Dim count%
122
123     appPath = guGetAppPath()
124
125     ChDrive Left(appPath, 2)
126     count = Len(appPath)
127     If count = 3 Then
128         ChDir appPath
129     Else
130         ChDir Left(appPath, count - 1)
131     End If
132
133     xxx = Shell(appPath & "cv_copy.pif " & f1 & " " & f2, 6)
134     Do While Dir(f2) = ""
135         DoEvents
136     Loop
137 End Function
```

```
138
139 Function guCreateJulian$ (d)
140     Dim zerofiller$, julianNumber$
141
142     julianNumber = DatePart("y", d)
143     If Len(julianNumber) = 1 Then
144         zerofiller = "00"
145     ElseIf Len(julianNumber) = 2 Then
146         zerofiller = "0"
147     Else
148         zerofiller = ""
149     End If
150
151     guCreateJulian = Right(DatePart("yyyy", d), 1) & zerofiller & julianNumber
152
153 End Function
154
155 Function guCRLF$ ()
156     guCRLF = Chr$(13) & Chr$(10)
157 End Function
158
159 Function guDeleteTable (fname$, tblName$)
160     Dim db As Database
161     Dim ws As Workspace
162
163     Set ws = dbengine(0)
164     Set db = ws.OpenDatabase(fname)
165     db.TableDefs.Delete tblName
166     db.Close
167
168 End Function
169
170 Function guDirExists (dirName)
171     Dim count%
172
173     '*** Assumes a full pathname including the drive and ending with a "\"
174     '*** Note that the method used has the residual effect of changing
175     '*** the default directory
176     If Right(dirName, 1) <> "\" Then
177         guDirExists = False
178         Exit Function
179     End If
180
181     On Error GoTo NOT_A_DIR
182     count = Len(dirName)
183     If count = 3 Then
184         ChDir dirName
185     Else
186         ChDir Left(dirName, count - 1)
187     End If
188     guDirExists = True
```

```
189     Exit Function
190
191
192 NOT_A_DIR:
193     guDirExists = False
194     Exit Function
195
196
197 End Function
198
199 Function guEchoReset ()
200     modEchoCount = 0
201     Application.Echo True
202     DoCmd Hourglass False
203 End Function
204
205 Function guEchoSet (opt%)
206     If opt Then
207         modEchoCount = modEchoCount - 1
208         If modEchoCount <= 0 Then
209             Application.Echo True
210             DoCmd Hourglass False
211         End If
212     Else
213         If modEchoCount = 0 Then
214             DoCmd Hourglass True
215         End If
216         Application.Echo False
217         modEchoCount = modEchoCount + 1
218     End If
219 End Function
220
221 Function guEnableEditing (c As Control, allowEdit%, enableMouse%)
222
223     c.locked = Not allowEdit
224
225     If Not enableMouse Then
226         c.enabled = allowEdit
227     End If
228
229     Select Case Left(c.Name, 3)
230         Case "txt", "cbo" 'Text Box
231             If allowEdit Then
232                 c.backColor = QBColor(QBC_BTWHITE)
233             Else
234                 c.backColor = QBColor(QBC_WHITE)
235             End If
236
237         Case "chk" 'Check Box
238             If allowEdit Then
239                 c.specialEffect = 2 'Sunken
```

```
240         Else
241             c.specialEffect = 0 'Normal
242         End If
243     End Select
244
245 End Function
246
247 Function guExpandText (s, x, y)
248     If Len(s) > 0 Then
249         modExpandTextX = x
250         modExpandTexty = y
251         DoCmd OpenForm "frm_guExpandText"
252         forms!frm_guExpandText!txtExpanded = s
253     End If
254 End Function
255
256 Function guExpandTextPosition ()
257     Dim f As Form
258     Set f = forms!frm_guExpandText
259
260     'f.left = modExpandTextX
261     'f.top = modExpandTexty
262 End Function
263
264 Function guExport (fname$, tblSrcName$, tblDestName$)
265     DoCmd TransferDatabase A_EXPORT, "Microsoft Access", fname, A_TABLE,
tblSrcName, tblDestName
266
267 End Function
268
269 Function guFinishApp (appName$)
270     Dim appStarted%
271
272     On Error GoTo APP_NOT_STARTED
273     Do
274         appStarted = True
275         AppActivate appName
276         DoEvents
277     Loop Until appStarted
278
279     On Error GoTo FINISHED
280     Do While True
281         AppActivate appName
282         DoEvents
283     Loop
284
285 APP_NOT_STARTED:
286     appStarted = False
287     Resume Next
288
289 FINISHED:
```



```
290     DoEvents
291     Exit Function
292
293 End Function
294
295 Sub guFlashMsg (m$)
296
297     guStatusMsg m
298     guWait 2
299     guStatusClose
300
301 End Sub
302
303 Function guFlushTable (tableName$, turnOffWarnings%)
304     '*** This will delete all the records from a table
305     '    Dim DB As Database, i
306
307     If turnOffWarnings Then
308         DoCmd SetWarnings False
309     End If
310
311     '*** Not sure why this FOR loop is in here ???
312     '    Set DB = DBEngine(0)(0)
313     '    For i = 0 To DB.TableDefs.Count - 1
314     '        If DB.TableDefs(i).Name = tableName Then
315     '            DoCmd RunSQL "DELETE DISTINCTROW * FROM " & tableName
316     '            Exit For
317     '        End If
318     '    Next i
319
320     If turnOffWarnings Then
321         DoCmd SetWarnings True
322     End If
323 End Function
324
325 Function guGetAppPath ()
326     Dim temp, i
327     Dim db As Database
328
329     Set db = dbengine(0)(0)
330     temp = db.Name
331     For i = Len(temp) - 1 To 1 Step -1
332         If Mid(temp, i, 1) = "\" Then
333             Exit For
334         End If
335     Next i
336     guGetAppPath = LCase(Left(temp, i))
337
338 End Function
339
340 Function guGetFileName$ (fullName$)
```

```
341     Dim i%
342
343     For i = Len(fullName) - 1 To 1 Step -1
344         If Mid(fullName, i, 1) = "\" Then
345             Exit For
346         End If
347     Next i
348     guGetFileName = LCase(Mid(fullName, i + 1, 12))
349 End Function
350
351 Function guGetFilePath$ (fileName$)
352     Dim i%
353
354     For i = Len(fileName) - 1 To 1 Step -1
355         If Mid(fileName, i, 1) = "\" Then
356             Exit For
357         End If
358     Next i
359     guGetFilePath = LCase(Left(fileName, i))
360
361 End Function
362
363 Sub guHourglass (opt%)
364
365     If opt Then
366         DoCmd OpenForm "frm_guHourglass"
367         forms!frm_guHourGlass.Repaint
368     Else
369         DoCmd Close A_FORM, "frm_guHourglass"
370     End If
371
372 End Sub
373
374 Function guIamOwner% ()
375     ' Determine whether current user owns the database
376     Dim db As Database, mc As Container
377
378     Set db = dbengine(0)(0)
379     Set mc = db.containers(0)
380     If mc.documents(0).owner = CurrentUser() Then
381         guIamOwner = True
382     Else
383         guIamOwner = False
384     End If
385
386 End Function
387
388 Function guMax (A, b)
389     guMax = IIf(b > A, b, A)
390 End Function
391
```

```
392 Function guMin (A, b)
393     guMin = IIf(b < A, b, A)
394 End Function
395
396 Function guNextWorkDay (d)
397     Dim dayOfWeek%
398
399     dayOfWeek = DatePart("w", d)
400
401     If dayOfWeek = 7 Then
402         guNextWorkDay = DateAdd("d", 2, d)
403     ElseIf dayOfWeek = 1 Then
404         guNextWorkDay = DateAdd("d", 1, d)
405     Else
406         guNextWorkDay = d
407     End If
408
409 End Function
410
411 Sub guPerfMeterEnd ()
412     DoEvents
413     MsgBox DateDiff("s", modPerfMeter, Time) & " seconds", , "Performance Meter"
414 End Sub
415
416 Sub guPerfMeterStart ()
417     modPerfMeter = Time
418 End Sub
419
420 Function guPrint ()
421     DoCmd OpenForm "frm_guPrintPopup", , , , A_DIALOG
422 End Function
423
424 Function guPrintToExcel ()
425     Dim rsName
426
427     rsName = Screen.ActiveForm.recordSource
428     On Error GoTo ABORT_EXCEL 'Happens when cancelled
429     If Left(rsName, 3) = "tbl" Then
430         DoCmd OutputTo A_TABLE, rsName, A_FORMATXLS
431     ElseIf Left(rsName, 3) = "qry" Then
432         DoCmd OutputTo A_QUERY, rsName, A_FORMATXLS
433     ElseIf Left(rsName, 3) = "SEL" Then
434         rsName = Screen.ActiveForm.Name
435         DoCmd OutputTo A_FORM, rsName, A_FORMATXLS
436     Else
437         MsgBox "There is no data associated with this window.",
438             MB_ICONEXCLAMATION, "Print"
439     End If
440
441 ABORT_EXCEL:
441     Exit Function
```

```
442 End Function
443
444 Function guPrintToPrinter ()
445     On Error GoTo ABORT_PRINT 'Happens when cancelled
446     Application.SetOption ("Left Margin"), .75
447     Application.SetOption ("Left Margin"), .5
448     If IS_GRAPH Then
449         DoCmd Print A_SELECTION
450     Else
451         DoCmd Print A_PRINTALL
452     End If
453
454 ABORT_PRINT:
455     Exit Function
456 End Function
457
458 Function guRand (dummyParm)
459     guRand = Rnd
460 End Function
461
462 Function guRandSkewfromAvg (rAvg As Double, dummyParm)
463     Const skew = 3#
464     guRandSkewfromAvg = rAvg * (skew + 1) * (Rnd ^ skew)
465
466 End Function
467
468 Function guRandSkewFromMax (rMax As Double, dummyParm)
469     Const skew = 3#
470     guRandSkewFromMax = rMax * (Rnd ^ skew)
471
472 End Function
473
474 Function guRandUniInt% (rMax%, dummyParm)
475
476     guRandUniInt = Fix(Rnd * (rMax + .999))
477
478 End Function
479
480 Function guResetManubar ()
481     Application.manubar = ""
482 End Function
483
484 Sub guSetCtlText (c As Control, s)
485     'c.SetFocus
486     c = s
487 End Sub
488
489 Function guSetHiddenCtlTextXXX (c As Control, s, cFocus As Control,
turnOffEcho%)
490     If turnOffEcho Then
491         Application.Echo False
```

```
492     End If
493     c.visible = True
494     c.SetFocus
495     c = s
496     cFocus.SetFocus
497     c.visible = False
498     If turnOffEcho Then
499         Application.Echo True
500     End If
501 End Function
502
503 Sub guStatusClose ()
504     DoCmd Close A_FORM, "frm_guStatus"
505 End Sub
506
507 Sub guStatusMsg (s$)
508     Dim f As Form
509
510     DoCmd OpenForm "frm_guStatus"
511     Set f = forms!frm_guStatus
512
513     f!lblMsg1.caption = s
514     f!boxBgnd.visible = False
515     f!boxMeter.visible = False
516
517     f.Repaint
518
519 End Sub
520
521 Sub guStatusPct (pct#)
522     Dim f As Form
523
524     Set f = forms!frm_guStatus
525     f!boxBgnd.visible = True
526     f!boxMeter.visible = True
527     f!boxMeter.width = f!boxBgnd.width * pct
528     f.Repaint
529
530
531 End Sub
532
533 Private Function guTimerDone () As Integer
534     If Timer >= endTime Then
535         guTimerDone = True
536     Else
537         guTimerDone = False
538     End If
539 End Function
540
541 Private Sub guTimerStart (tsecs As Long)
542     endTime = Timer + tsecs
```

```
543 End Sub
544
545 Function guToolbarShow (opt%)
546     Application.SetOption "Built-In Toolbars Available", opt
547
548 End Function
549
550 Function guUpdateAttachments (omitTables$)
551
552     '*** This will change the directory of all the table attachments
553     '*** to where this main mdb is located
554
555     Dim cwd$
556     Dim db As Database, td As TableDef
557     Dim tableCount%, t%, reattachCount%, connect$
558     Dim fname$
559
560     cwd = guGetAppPath()
561     Dim reattachFileList$()
562     Dim reattachSourceList$()
563     Dim reattachTableList$()
564
565
566     Set db = dbengine(0)(0)
567     tableCount = db.TableDefs.count
568
569     ReDim reattachFileList$(tableCount)
570     ReDim reattachSourceList$(tableCount)
571     ReDim reattachTableList$(tableCount)
572
573     reattachCount = 0
574     For t = 0 To tableCount - 1
575         Set td = db.TableDefs(t)
576         If (td.sourceTableName <> "") And Not (td.Name Like omitTables) Then
577             fname = Mid(td.connect, 11, 100) 'The first 10 chars are
";DATABASE="
578             If guGetFilePath(fname) <> cwd Then
579                 reattachFileList(reattachCount) = guGetFileName(fname)
580                 reattachTableList(reattachCount) = td.Name
581                 reattachSourceList(reattachCount) = td.sourceTableName
582                 reattachCount = reattachCount + 1
583             End If
584         End If
585     Next
586
587     For t = 0 To reattachCount - 1
588         db.TableDefs.Delete reattachTableList(t)
589     Next
590     db.TableDefs.Refresh
591
592     On Error Resume Next
```

```
593     For t = 0 To reattachCount - 1
594         fname = reattachFileList(t)
595         DoCmd TransferDatabase A_ATTACH, "Microsoft Access", cwd &
           reattachFileList(t), A_TABLE, reattachSourceList(t), reattachTableList(t)
596     Next
597     On Error GoTo 0
598
599     db.TableDefs.Refresh
600
601
602 End Function
603
604 Sub guWait (tsecs As Long)
605     guTimerStart (tsecs)
606     Do
607     Loop Until guTimerDone()
608 End Sub
609
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 1/23/96 9:12:06 PM  
Owner: God

Last Updated: 11/13/96 11:07:59 AM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4
5
6
7 Global xxx 'Dummy variant used for unused fcn return values
8 Global dialogOk 'Used to get dialog box close condition
9
10 Global Const DEBUGGING = False
11
12 Global Const SHORT_TITLE = "CSI Viz"
13 Global Const LONG_TITLE = "CSI Viz User Program"
14 Global gblVersion
15 Global gblLastModified
16
17 Global Const YES = -1
18 Global Const NO = 0
19
20
21 ''' The following colors are used as inputs to the QBColor fcn
22 Global Const QBC_BLACK = 0
23 Global Const QBC_BLUE = 1
24 Global Const QBC_GREEN = 2
25 Global Const QBC_CYAN = 3
26 Global Const QBC_RED = 4
27 Global Const QBC_MAGENTA = 5
28 Global Const QBC_YELLOW = 6
29 Global Const QBC_WHITE = 7
30 Global Const QBC_GRAY = 8
31 Global Const QBC_LTBBLUE = 9
32 Global Const QBC_LTGREEN = 10
33 Global Const QBC_LTCYAN = 11
34 Global Const QBC_LTRRED = 12
35 Global Const QBC_LTMAGENTA = 13
36 Global Const QBC_LTYELLOW = 14
37 Global Const QBC_BTWHITE = 15
38
39 ''' Message Box Constants
40 Global Const MB_OK = 0, MB_OKCANCEL = 1 ' Define buttons.
41 Global Const MB_YESNOCANCEL = 3, MB_YESNO = 4
```



```
42 Global Const MB_ICONSTOP = 16, MB_ICONQUESTION = 32 ' Define icons.
43 Global Const MB_ICONEXCLAMATION = 48, MB_ICONINFORMATION = 64
44 Global Const MB_DEFBUTTON2 = 256, IDOK = 1, IDCANCEL = 2, IDYES = 6, IDNO = 7
  ' Define other.
45
46
47
48 Function guGetGlobalVar (v$)
49     guGetGlobalVar = Eval(v)
50 End Function
51
52
53 Function gvDebugging% ()
54     gvDebugging = DEBUGGING
55 End Function
56
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 3/14/96 11:42:10 AM  
Owner: God

Last Updated: 12/18/96 3:33:11 PM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4 '*** Module Variables
5 Dim modClickedBtn%
6
7
8 '*** Constants
9 Global Const GS_RIGHT_BTN = 0
10 Global Const GS_LEFT_BTN = 1
11
12 Global Const GS_BAR = 0
13 Global Const GS_LINE = 1
14 Global Const GS_STACKED = 2
15 Global Const GS_STDDEV = 3
16 Global Const GS_MINMAX = 4
17
18 Global Const GS_UCL = 255
19 Global Const GS_AVG = 65535
20 Global Const GS_LCL = 65280
21
22 Global Const LINE_WIDTH = 5040 'In twips
23
24 Const POINT_SIZE = 70 'In twips
25 Const HALF_POINT_SIZE = 35
26
27 Const NUM_OF_BARS = 13
28 Const MAX_PLOTS = 5
29 Const MAX_HORIZONTAL = 10
30
31 Dim BoxName$(5)
32 Dim AvgLineName$(5)
33 Dim PlotLineName$(5)
34
35 Dim LineCnt%
36
37 Dim xx
38
39 Function gsChangeYScale (frm As Form, direction$)
40 '*****
41 ' This function is called when scaling the y-axis. It raises or lowers the
```

```
42 ' y-axis values then calls the function gsUpdateGraph1() to build the new
43 ' graph with a changed y-axis. Also updates the spin control caption.
44 '*****
45     Dim mag%
46
47
48     mag = frm!txtMag
49     If direction = "Lower" Then
50         If mag = 1 Then
51             Exit Function
52         End If
53         mag = mag / 2
54     Else
55         If mag = 64 Or (frm!txtScaleMax - frm!txtScaleMin) <= 10 Then
56             Exit Function
57         End If
58         mag = mag * 2
59     End If
60
61     DoCmd Hourglass True
62
63     frm!txtMag = mag
64     frm!Spinner.Caption = mag & "x"
65
66     xx = gsSetYScale(frm)
67     xx = gsDrawGraph(frm, (frm!txtRecOffset))
68
69     '""The gsRefreshHorizontal goes here
70     xxx = gsRefreshHorizontal(frm)
71
72     DoCmd Hourglass False
73
74 End Function
75
76 Function gsClearClickEvent (frm As Form, subFormName$)
77     xx = gsSetClickEvent(frm, "", subFormName)
78 End Function
79
80 Function gsCreateGraph (frm As Form, tableName$, graphType%, centerRecOffset As
Long, plots%, percent%, clickEvent$, subFormName$, legend$())
81 '*****
82 ' This is the first funtion called when creating a graph.
83 ' Graph attributes such as table name, plot number, starting point, and graph
84 ' type are placed in appropriate fields. This function also determines the
85 ' bar widths and sets the bars in appropriate offsets (columns) based on ticks.
86 ' After the bar widths are calculated and the bars are set in their
87 ' appropriate columns the update graph function is called which sets the
88 ' bar tops and heights.
89 '*****
90     Dim overlap As Single
91     Dim db As Database      'Current DB
```

```

92     Dim tbl As Recordset
93     Dim i, j, x, leftShift As Single
94     Dim SqlStr As String
95     Dim lowest, highest As Long
96     Dim ticSpace, barWidth, totalBarWidth, extraSpace
97     Dim Lft
98     Dim p%
99     Dim n%
100    Dim m$
101
102    xx = gsInitVars()
103
104    '*** Reset Horizontal Lines
105    LineCnt = 0
106    For n = 0 To 9
107        frm("Lin" & n).visible = False
108    Next
109
110    If plots < 1 Or plots > MAX_PLOTS Then
111        MsgBox "The number of plots specified is not valid."
112        Exit Function
113    End If
114
115    DoCmd Hourglass True
116    xxx = guEchoSet(False)
117
118
119    Set db = DBEngine(0) (0)
120
121    ' Determines the lowest and highest values. The SQL statement extracts the
122    ' the lowest and the highest numbers of the tables.
123
124    If graphType = GS_BAR Or graphType = GS_LINE Then
125        SqlStr = "Select Min(Value0) as Low0, Max(Value0) as High0"
126        For i = 1 To plots - 1
127            SqlStr = SqlStr & ", Min(Value" & i & ") as Low" & i
128            SqlStr = SqlStr & ", Max(Value" & i & ") as High" & i
129        Next
130    ElseIf graphType = GS_MINMAX Then
131        SqlStr = "Select Min(Min0) as Low0, Max(Max0) as High0"
132        For i = 1 To plots - 1
133            SqlStr = SqlStr & ", Min(Min" & i & ") as Low" & i
134            SqlStr = SqlStr & ", Max(Max" & i & ") as High" & i
135        Next
136    ElseIf graphType = GS_STDDEV Then
137        SqlStr = "Select Max(Avg0 + StdDev0) as High0, Min(Avg0 - StdDev0) as
Low0"
138        For i = 1 To plots - 1
139            SqlStr = SqlStr & ", Max(Avg" & i & " + StdDev" & i & ") as High" & i
140            SqlStr = SqlStr & ", Min(Avg" & i & " - StdDev" & i & ") as Low" & i
141        Next

```

```
142 ElseIf graphType = GS_STACKED Then
143     SqlStr = "Select Max(Value0 + Value1 + Value2 + Value3 + Value4) as High0"
144     SqlStr = SqlStr & ", Max(Avg" & i & " + StdDev" & i & ") as High0"
145     SqlStr = SqlStr & "0 as Low0"
146 End If
147
148 SqlStr = SqlStr & ", Count(*) as recCount From " & tableName
149
150 On Error GoTo NotCorrectTable
151 Set tbl = db.OpenRecordset(SqlStr, DB_OPEN_SNAPSHOT)
152 On Error GoTo 0
153
154 lowest = 0
155 highest = 0
156 For i = 0 To plots - 1
157     'If Tbl("Low" & i) = 0 And Tbl("High" & i) = 0 Then Exit For
158     If tbl("Low" & i) < lowest Then lowest = tbl("Low" & i)
159     If tbl("High" & i) > highest Then highest = tbl("High" & i)
160 Next
161 frm!txtRecCount = tbl!recCount
162 tbl.Close
163
164
165 ' Sets the graph attributes in invisible fields.
166 frm!txtGraphType = graphType
167 frm!txtTableName = tableName
168 frm!txtPlots = plots
169 frm!txtPercent = percent
170
171 frm!txtMinValue = lowest
172 frm!txtMaxValue = highest
173 frm!txtMag = 1
174
175
176 For j = 0 To plots - 1
177     For i = 0 To NUM_OF_BARS - 2 ' Set rest of points to be invisible.
178         For scrolling
179             frm(AvgLineName(j) & i).visible = 0
180             frm(PlotLineName(j) & i).visible = 0
181         Next
182         frm(AvgLineName(j) & (NUM_OF_BARS - 1)).visible = 0
183     Next
184     For j = plots To 4
185         For i = 0 To NUM_OF_BARS - 2 ' Set rest of points to be invisible.
186             For scrolling
187                 frm(BoxName(j) & i).visible = 0
188                 frm(AvgLineName(j) & i).visible = 0
189                 frm(PlotLineName(j) & i).visible = 0
190             Next
191             frm(BoxName(j) & (NUM_OF_BARS - 1)).visible = 0
192             frm(AvgLineName(j) & (NUM_OF_BARS - 1)).visible = 0
193         Next
194     Next
195 End Sub
```

```
191     Next
192
193     ' Calls the function that builds the y-axis based on the lowest and highest
194     ' values.
195     i = gsSetYScale(frm)
196
197     frm!Spinner.Caption = "1x"
198
199     ' Sets the bar widths by dividing the total space by the number of bars + 1.
200     '   the "+ 1" is to allow a little extra space and keep the bars from
201     '   completely filling up the space.
202
203     ticSpace = frm.Tic1.left - frm.Tic0.left
204
205     If graphType = GS_LINE Then
206         overlap = .6
207         totalBarWidth = POINT_SIZE + POINT_SIZE * (1 - overlap) * (plots -
1)    ' "Plots" bars between tic's
208         extraSpace = (ticSpace - totalBarWidth) / 2
209         For x = 0 To NUM_OF_BARS - 1                ' For each tick
210             leftShift = extraSpace + totalBarWidth ' Set the location of 1st
bar
211             For i = 0 To plots - 1                ' For each bar
212                 Lft = frm("Tic" & x).left - leftShift ' Left most side of the
bar
213
214                 leftShift = leftShift - (1 - overlap) * POINT_SIZE ' Set
offset for next point
215
216                 ' Set the box's width and place it in the correct screen column
217                 frm(BoxName(i) & x).Width = POINT_SIZE
218                 frm(BoxName(i) & x).left = Lft
219
220             Next ' Next bar
221         Next ' Next x-axis tick
222     Else
223         barWidth = ticSpace / (plots + 1)
224         totalBarWidth = (barWidth) * plots ' "Plots" bars between tic's
225         extraSpace = (ticSpace - totalBarWidth) / 2
226         For x = 0 To NUM_OF_BARS - 1                ' For each tick
227             leftShift = extraSpace + totalBarWidth ' Set the location of 1st
bar
228             For i = 0 To plots - 1                ' For each bar
229                 Lft = frm("Tic" & x).left - leftShift ' Left most side of the
bar
230                 leftShift = leftShift - barWidth ' Set offset for next
bar
231
232                 ' Set the box's width and place it in the correct screen column
233                 frm(BoxName(i) & x).Width = barWidth
234                 frm(BoxName(i) & x).left = Lft
235
236                 ' Set the average line's width and place it in the box's column
```

```
237         If graphType <> GS_BAR Then
238             frm(AvgLineName(i) & x).Width = barWidth
239             frm(AvgLineName(i) & x).left = Lft
240         End If
241
242         Next ' Next bar
243     Next ' Next x-axis tick
244 End If
245
246
247 ' This function sets the tops and heights of the bars, shows the bars,
248 ' and draws the lines to the line charts.
249 xx = gsDrawGraph(frm, gsGetOptimalOffset(frm, centerRecOffset))
250 xx = gsDrawLegend(frm, legend())
251
252 xx = gsSetClickEvent(frm, clickEvent, subFormName)
253 xxx = guEchoSet(True)
254 Exit Function
255
256 NotCorrectTable:
257     xxx = guEchoSet(True)
258     DoCmd Hourglass False
259     m = "The field definitions for table '" & tableName & "' are incorrect for a
260     Type" & graphType & " graph!"
261     DoCmd MsgBox m, MB_ICONEXCLAMATION, "Graph Creation Error"
262     Exit Function
263 End Function
264
265 Function gsCreateHorizontal (frm As Form, value As Single, Lcolor As Long)
266 '*****
267 '* This function creates a horizontal line on the specified form. The value *
268 '* parameter can be an integer or a float and the parameter Lcolor is *
269 '* either one of three values: UCL, LCL, or AVG. The color of the line will *
270 '* be red, yellow, or green respectively. *
271 '*****
272
273     Dim whichLine$
274     Dim v As Single
275
276     If LineCnt > MAX_HORIZONTAL Then
277         MsgBox " Cannot draw more than 10 Lines!"
278         Exit Function
279     End If
280
281     v = IIf(frm!txtPercent, value * 100, value)
282
283     frm("txtLinVal" & LineCnt) = v
284     frm("txtLinColor" & LineCnt) = Lcolor
285
286     whichLine = "Lin" & LineCnt
```

```
287     xxx = gsDrawHorizontal(frm, v, Lcolor, whichLine)
288
289     LineCnt = LineCnt + 1
290
291 End Function
292
293 Private Function gsDrawGraph (frm As Form, offset As Long)
294 '*****
295 ' This function sets the tops and heights of the bars, shows the bars,
296 ' and draws the lines to the line charts.
297 ' Called when building a new graph or after making a selection from list box.
298 '*****
299     Dim db As Database      'Current DB
300     Dim tbl As Recordset
301     Dim i%, j%, Lt, xt, y%
302     Dim moveTop, moveBot, moveMid
303     Dim twipsPerUnit%, graphType%, plots%
304     Dim scaleMax%, scaleMin%
305     Dim Ht, Tp, Bot, Mdl
306     Dim c As Control
307     Dim offTheChart%
308     Dim hat%
309
310
311
312     DoCmd Hourglass True
313     xxx = guEchoSet(False)
314
315     Set db = DBEngine(0)(0)
316
317     For y = 0 To 12          '*** undo before changes
318         frm("lblVal" & y).Caption = ""
319     Next
320
321     hat = False
322     graphType = frm!txtGraphType
323     frm!txtRecOffset = offset    ' Sets the table starting point
324     plots = frm!txtPlots        ' number of bars between x-axis ticks
325
326     twipsPerUnit = frm!txtTwipsPerUnit
327
328     scaleMax = frm!txtScaleMax
329     scaleMin = frm!txtScaleMin
330
331     Set tbl = db.OpenRecordset(frm!txtTableName, DB_OPEN_SNAPSHOT)
332
333     If tbl.eof Then
334         frm.Repaint        ' Show the new graph
335
336         tbl.Close
337         xxx = guEchoSet(True)
```



```
338      DoCmd Hourglass False
339      Exit Function
340  End If
341
342  tbl.Move offset ' Move to the starting record in the table.
343
344  For x = 0 To NUM_OF_BARS - 1 ' For each tick
345      frm("LblX" & x).Caption = tbl!Label ' Set the x-axis tick label
346
347      For i = 0 To plots - 1 ' For each bar
348
349          If graphType = GS_BAR Then
350              ' Get the Height for the bar
351              moveTop = tbl("Value" & i)
352          ElseIf graphType = GS_MINMAX Then
353              ' Get the Maximum, Minimum, and Average for the bar
354              moveTop = tbl("Max" & i)
355              moveBot = tbl("Min" & i)
356              moveMid = tbl("Avg" & i)
357          ElseIf graphType = GS_STDDEV Then
358              moveTop = tbl("Avg" & i) + tbl("StdDev" & i)
359              moveBot = tbl("Avg" & i) - tbl("StdDev" & i)
360              moveMid = tbl("Avg" & i)
361          ElseIf graphType = GS_LINE Then
362              moveMid = tbl("Value" & i)
363          End If
364
365          offTheChart = False '*** Save status for line graphs
366
367          ' Make sure the values are within the chart perimeters
368          If moveTop > scaleMax Then ' Cannot draw off of the chart..
369              moveTop = scaleMax
370              hat = True
371          End If
372          If moveBot > scaleMax Then ' Cannot draw off of the chart..
373              moveBot = scaleMax
374          End If
375          If moveMid > scaleMax Then ' Cannot draw off of the chart..
376              moveMid = scaleMax
377              offTheChart = True
378          End If
379
380          If moveTop < scaleMin Then ' Cannot draw off of the chart..
381              moveTop = scaleMin
382          End If
383          If moveBot < scaleMin Then ' Cannot draw off of the chart..
384              moveBot = scaleMin
385          End If
386          If moveMid < scaleMin Then ' Cannot draw off of the chart..
387              moveMid = scaleMin
388              offTheChart = True
```

```
389         End If
390
391     Select Case graphType
392     Case GS_BAR:
393         Tp = frm.ZeroLine.top - twipsPerUnit * moveTop
394         Ht = frm.ZeroLine.top - Tp
395         If Ht < 0 Then
396             Ht = Ht * -1
397             Tp = frm.ZeroLine.top
398         End If
399
400     Case GS_MINMAX:
401         Tp = frm.ZeroLine.top - twipsPerUnit * moveTop
402         Bot = frm.ZeroLine.top - twipsPerUnit * moveBot
403         Mdl = frm.ZeroLine.top - twipsPerUnit * moveMid
404         Ht = Bot - Tp
405
406     Case GS_STDDEV:
407         Tp = frm.ZeroLine.top - twipsPerUnit * moveTop
408         Bot = frm.ZeroLine.top - twipsPerUnit * moveBot
409         Mdl = frm.ZeroLine.top - twipsPerUnit * moveMid
410         Ht = Bot - Tp
411
412     Case GS_LINE:
413         'Tp = frm.LinXAxis.Top - twipsPerUnit * MoveTop
414         Tp = frm.ZeroLine.top - twipsPerUnit * moveMid - POINT_SIZE / 2
415         Ht = POINT_SIZE
416
417     Case GS_STACKED:
418         If i = 0 Then
419             Tp = frm.LinXAxis.top - twipsPerUnit * moveTop
420             Ht = frm.LinXAxis.top - Tp
421         Else
422             Tp = frm(BoxName(i - 1) & x).top - twipsPerUnit * moveTop
423             Ht = frm(BoxName(i - 1) & x).top - Tp
424         End If
425
426     End Select
427
428     ' The bars left and widths are already set. Either from charts
429     ' that are being modified or from the gsDrawGraph() function which
430     ' would have called this function. Here is where the top and
431     ' height of the bar is being set. The bar also is made visible
432     ' after it is completed.
433     Set c = frm(BoxName(i) & x)
434     If IsNull(Ht) Or ((graphType = GS_LINE) And offTheChart) Then
435         c.visible = False
436         If graphType <> GS_LINE Then frm("lblVal" & x).Caption =
437             "
438     Else
439         If Ht = 0 Then
```

```
439         c.visible = False
440         frm("lblVal" & x).Caption =
"           0"
441     Else
442         c.top = Tp
443         c.height = Ht
444         c.visible = True
445         If hat Then
446             frm("lblVal" & x).Caption = "^"
447             hat = False
448         End If
449     End If
450 End If
451
452 If c.visible And (graphType = GS_MINMAX Or graphType = GS_STDDEV) And
Not offTheChart Then
453     frm(AvgLineName(i) & x).top = Mdl
454     frm(AvgLineName(i) & x).visible = True
455 Else
456     frm(AvgLineName(i) & x).visible = False
457 End If
458
459 Next
460
461 tbl.MoveNext
462
463 ' If the table reaches EOF before all ticks are processed the
464 ' rest of the bars will be made not visible, the rest of the labels
465 ' will be set to null, and the for loop for each x-axis unit will
466 ' terminate.
467 If tbl.eof Or frm("lblX" & x).Caption = "" Then ' Set variables to
and this function
468     ' Make the rest of the graph invisible. Used mainly in Scrolling.
469     For L = x + 1 To NUM_OF_BARS - 1 ' Set rest of points to be
invisible. For scrolling
470         For j = 0 To plots - 1
471             frm("lblX" & L).Caption = ""
472             frm(BoxName(j) & L).visible = False
473             frm(AvgLineName(j) & L).visible = False
474         Next
475     Next
476     Exit For
477 End If
478 Next
479
480 frm.Repaint ' Show the new graph
481
482 tbl.Close
483 db.Close
484
485 If graphType = GS_LINE Then
486     xx = gsDrawLines(frm)
```

```
487     End If
488
489     xxx = guEchoSet(True)
490     DoCmd Hourglass False
491
492 End Function
493
494 Function gsDrawHorizontal (frm As Form, value As Single, LineColor As Long,
H_Line$)
495
496 '*****
497 '* This function draws a horizontal line on the Y-axis, specified by'      *
498 '* "where". "LineColor" is used to determine the color of the line to    *
499 '* be drawn. "H_line is the actual line to be drawn."                    *
500 '*****
501
502     Dim c As Control
503     Dim temp As Control
504     Dim twipsPerUnit#
505     Dim scaleMax#
506     Dim scaleMin#
507     Dim Tp
508
509     twipsPerUnit = frm!txtTwipsPerUnit
510     scaleMax = frm!txtScaleMax
511     scaleMin = frm!txtScaleMin
512
513     Set c = frm(H_Line)
514
515
516     '"" Plot the line if is not off the chart
517     If value > scaleMax Or value < scaleMin Then
518         c.visible = False
519     Else
520         c.top = frm.ZeroLine.top - twipsPerUnit * value
521         c.left = frm!linYaxis.left
522         c.Width = LINE_WIDTH
523         c.BorderColor = LineColor
524         c.visible = True
525     End If
526
527 End Function
528
529 Private Function gsDrawLegend (f As Form, legend$())
530     Dim p!, plots#
531
532     plots = f!txtPlots
533     If plots = 1 Then
534         For p = 0 To MAX_PLOTS - 1
535             f("txtLegend" & p).visible = False
536             f("recLegend" & p).visible = False
```

```
537     Next
538   Else
539     For p = 0 To plots - 1
540       f("txtLegend" & p) = legend(p)
541       f("txtLegend" & p).visible = True
542       f("recLegend" & p).visible = True
543     Next
544     For p = plots To MAX_PLOTS - 1
545       f("txtLegend" & p).visible = False
546       f("recLegend" & p).visible = False
547     Next
548   End If
549
550 End Function
551
552 Private Function gsDrawLines (frm As Form)
553 *****
554 ' This function is called only for the line graph. By the time this function
555 ' is called all of the points are in the appropriate spots. This connects
556 ' the points with lines.
557 *****
558
559   Dim CenterOnPoint, i, x
560   Dim NumOfLines, WhatLine, WhatBox
561   Dim plots%
562
563   NumOfLines = NUM_OF_BARS - 1
564   ReDim Box(NUM_OF_BARS) As Control
565   ReDim Lyn(NumOfLines) As Control
566   plots = frm!txtPlots
567
568   For x = 0 To plots - 1
569     WhatLine = PlotLineName(x)
570     WhatBox = BoxName(x)
571
572     ' Initialize lines and Box first. The next For Loop looks ahead at
573     times..
574     For i = 0 To NumOfLines - 1
575       Set Box(i) = frm(WhatBox & i)
576       Set Lyn(i) = frm(WhatLine & i)
577     Next
578
579     ' There is one more box than line...
580     Set Box(NumOfLines) = frm(WhatBox & NumOfLines)
581
582     For i = 0 To NumOfLines - 1
583       If Box(i).visible And Box(i + 1).visible Then
584         Lyn(i).visible = True
585         Lyn(i).left = Box(i).left + HALF_POINT_SIZE
586         Lyn(i).Width = Box(i + 1).left - Box(i).left
587         If Box(i).top > Box(i + 1).top Then
```

```
587         Lyn(i).LineSlant = True ' /
588         Lyn(i).top = Box(i + 1).top + HALF_POINT_SIZE
589         Lyn(i).height = Box(i).top - Box(i + 1).top
590     Else
591         Lyn(i).LineSlant = False ' \
592         Lyn(i).top = Box(i).top + HALF_POINT_SIZE
593         Lyn(i).height = Box(i + 1).top - Box(i).top
594     End If
595 Else
596     Lyn(i).visible = False
597 End If
598 Next
599 Next
600
601 End Function
602
603 Function gsGetBarOffset (subFormName$, bar%) As Long
604     Dim f As Form
605
606     Set f = Screen.ActiveForm
607     gsGetBarOffset = f(subFormName).Form!txtRecOffset + bar
608
609 End Function
610
611 Function gsGetClickedBtn% ()
612     '*** Returns whether the right or left mouse button was clicked at last
mouse
613     '***     down event
614     gsGetClickedBtn = modClickedBtn
615 End Function
616
617 Private Function gsGetOptimalOffset (f As Form, centerRecOffset As Long) As Long
618     Dim offset As Long
619
620     '*** Make the specified offset the center of the graph if possible
621     offset = centerRecOffset - CInt((NUM_OF_BARS - 1) / 2)
622
623     If offset < 0 Or f!txtRecCount <= NUM_OF_BARS Then
624         offset = 0
625     ElseIf offset > f!txtRecCount - CInt(NUM_OF_BARS) Then
626         offset = f!txtRecCount - CInt(NUM_OF_BARS)
627     End If
628     gsGetOptimalOffset = offset
629
630
631 End Function
632
633 Private Function gsInitVars ()
634     Static initiated
635
636
```

```
637     If initiated Then
638         Exit Function
639     End If
640
641     BoxName(0) = "BlueBox"
642     BoxName(1) = "Yellowbox"
643     BoxName(2) = "RedBox"
644     BoxName(3) = "Greenbox"
645     BoxName(4) = "PurpleBox"
646
647     AvgLineName(0) = "BlueAvg"
648     AvgLineName(1) = "YellowAvg"
649     AvgLineName(2) = "RedAvg"
650     AvgLineName(3) = "GreenAvg"
651     AvgLineName(4) = "PurpleAvg"
652
653     PlotLineName(0) = "BlueLine"
654     PlotLineName(1) = "YellowLine"
655     PlotLineName(2) = "RedLine"
656     PlotLineName(3) = "GreenLine"
657     PlotLineName(4) = "PurpleLine"
658
659     initiated = True
660
661 End Function
662
663 Function gsOpenFormEvent ()
664     xx = gsInitVars()
665 End Function
666
667 Function gsRefreshHorizontal (frm As Form)
668
669     '*****
670     ' This function redraws the horizontal lines that have been created. This *
671     ' is necessary when the magnification of the Y-scale is encountered      *
672     '*****
673
674     Dim i%
675
676     For i = 0 To LineCnt - 1
677         xxx = gsDrawHorizontal(frm, (frm("txtLinVal" & i)), (frm("txtLinColor"
678             & i)), ("Lin" & i))
679     Next i
680 End Function
681
682 Function gsScrollXAxis (frm As Form, direction$)
683     '*****
684     ' This function bumps the table offset up or down one, depending on the
685     ' Direction parameter. It also checks to see if there is any reason to
686     ' scroll. If one is at the beginning of the table you should not be able
```

```
687 ' scroll right. If their are empty ticks on the right you should not be
688 ' able to scroll left.
689 '*****
690 Dim recOffset As Long
691
692 If frm!txtRecCount <= NUM_OF_BARS Then
693     Exit Function
694 End If
695
696 If direction = "Left" Then
697     recOffset = frm!txtRecOffset - 6
698 Else
699     recOffset = frm!txtRecOffset + 6
700 End If
701
702 recOffset = guMax(recOffset, 0)
703 recOffset = guMin(recOffset, frm!txtRecCount - NUM_OF_BARS)
704
705 If recOffset <> frm!txtRecOffset Then
706     xx = gsDrawGraph(frm, recOffset)
707 End If
708
709 End Function
710
711 Sub gsSetClickedBtn (clickedBtn%)
712
713 If clickedBtn = RIGHT_BUTTON Then
714     modClickedBtn = GS_RIGHT_BTN
715 Else
716     modClickedBtn = GS_LEFT_BTN
717 End If
718
719 End Sub
720
721 Private Function gsSetClickEvent (f As Form, fcnName$, subFormName$)
722
723 Dim i%, p%
724 Dim c As Control
725 Dim clickEvent$, sngClickEvent$, dblClickEvent$
726
727 If fcnName = "" Then
728     For i = 0 To NUM_OF_BARS - 1
729         f("lblVal" & i).OnDblClick = ""
730         f("lblVal" & i).OnMouseUp = ""
731         For p = 0 To f!txtPlots - 1
732             Set c = f(BoxName(p) & i)
733             c.OnDblClick = ""
734             c.OnMouseUp = ""
735         Next
736     Next
737 Else
```



```
738         For i = 0 To NUM_OF_BARS - 1
739             clickEvent = "=" & fcnName & "(gsGetBarOffset('" & subFormName &
              ", " & i & " ), gsGetClickedBtn(), "
740             sngClickEvent = clickEvent & "FALSE)"
741             dblClickEvent = clickEvent & "TRUE)"
742             If f("lblVal" & i).Caption <> "" Then
743                 f("lblVal" & i).OnDblClick = ""
744                 f("lblVal" & i).OnMouseUp = ""
745                 For p = 0 To f!txtPlots - 1
746                     Set c = f(BoxName(p) & i)
747                     c.OnDblClick = ""
748                     c.OnMouseUp = ""
749                 Next
750             Else
751                 f("lblVal" & i).OnDblClick = dblClickEvent
752                 f("lblVal" & i).OnMouseUp = sngClickEvent
753                 For p = 0 To f!txtPlots - 1
754                     Set c = f(BoxName(p) & i)
755                     c.OnDblClick = dblClickEvent
756                     c.OnMouseUp = sngClickEvent
757                 Next
758             End If
759         Next
760     End If
761
762 End Function
763
764 Function gsSetPosition (f As Form, centerRecOffset As Long)
765     Dim offset As Long
766
767     offset = gsGetOptimalOffset(f, centerRecOffset)
768     If offset <> f!txtRecOffset Then
769         xx = gsDrawGraph(f, offset)
770     End If
771
772 End Function
773
774 Private Function gsSetYScale (f As Form)
775     '*****
776     ' This function initializes the y-axis
777     ' Supports negative y-axis and positions a dotted "Zero Line" on the chart.
778     '*****
779     Dim minVal As Double
780     Dim maxVal As Double
781     Dim mag%
782     Dim tic As Double, rangeVal As Double, negTics As Double
783     Dim ZeroLine%, ticRange%
784     Dim s, i
785     Dim percent%
```

```
788     minVal = f!txtMinValue
789     maxVal = f!txtMaxValue
790     mag = f!txtMag
791     percent = f!txtPercent
792
793     '*** Set the zero line on the nearest tick
794     If maxVal < 0 Then
795         ZeroLine = 10
796         rangeVal = -minVal
797         ticRange = 10
798     ElseIf minVal >= 0 Then
799         ZeroLine = 0
800         rangeVal = maxVal
801         ticRange = 10
802     Else
803         negTics = 10 * (-minVal) / (maxVal - minVal)
804         ZeroLine = CInt(negTics)
805         If ZeroLine = 0 Then ZeroLine = 1
806         If ZeroLine = 10 Then ZeroLine = 9
807         If negTics > ZeroLine Then
808             rangeVal = -minVal
809             ticRange = ZeroLine
810         Else
811             rangeVal = maxVal
812             ticRange = 10 - ZeroLine
813         End If
814     End If
815
816
817     tic = rangeVal / (ticRange * mag) 'Minimum tic value
818
819
820     '*** Round up
821     If tic > Int(tic) Then
822         tic = Int(tic) + 1
823     End If
824
825     '*** Adjust to a nice round number
826     If tic > 1000 Then
827         tic = (Int(tic / 1000) + 1) * 1000
828     ElseIf tic > 500 Then
829         tic = (Int(tic / 500) + 1) * 500
830     ElseIf tic > 100 Then
831         tic = (Int(tic / 100) + 1) * 100
832     ElseIf tic > 50 Then
833         tic = (Int(tic / 50) + 1) * 50
834     ElseIf tic > 10 Then
835         tic = (Int(tic / 10) + 1) * 10
836     ElseIf tic > 5 Then
837         If tic < 10 Then ' For tic = 10 (range=100), let it go to the top
rail for percentages
```

```
838         tic = (Int(tic / 5) + 1) * 5
839     End If
840     ElseIf tic = 0 Then
841         tic = 1
842     End If
843
844     If percent Then
845         s = "%"
846     Else
847         s = ""
848     End If
849
850     For i = 0 To 10 Step 2
851         f("Lbly" & i).Caption = Format$(tic * (i - ZeroLine), "0") & s
852     Next
853
854     f!txtTwipsPerUnit = f!linYaxis.height / (10 * tic)
855     f!txtScaleMax = tic * (10 - ZeroLine)
856     f!txtScaleMin = tic * (-ZeroLine)
857
858     'f!zeroLine.Width = f!linXaxis.Width
859     f!ZeroLine.top = f!linXaxis.top - f.linYaxis.height * ZeroLine / 10
860
861 End Function
862
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 11/14/96 4:34:10 PM  
Owner: God

Last Updated: 11/14/96 5:28:57 PM

Code

```
1 Option Compare Database 'Use database order for string comparison
2 Option Explicit
3
4 Declare Function WinHelp Lib "USER" (ByVal hWnd As Integer, ByVal lpHelpfile As
String, ByVal wCommand As Integer, dwData As Any) As Integer
5 Global Const HELP_CONTENTS = &H3 ' Display Help for a particular topic
6 Global Const HELP_PARTIALKEY = &H105
7 Global Const HELP_CONTEXT = &H1
8 Global Const HELP_QUIT = &H2
9 Global Const HELP_INDEX = &H3
10 Global Const HELP_HELPONHELP = &H4
11 Global Const HELP_SETINDEX = &H5
12 Global Const HELP_KEY = &H101
13 Global Const HELP_MULTIKEY = &H201
14 'Global Const KEY_F1 = &H70 '
15
16 Function DoHelpSearch ()
17     Dim x
18
19     x = WinHelp(0, ruGetAppDir() & "csi_viz.HLP", HELP_PARTIALKEY, 0)
20
21 End Function
22
23 Function RIPHelp ()
24     Dim x
25     x = WinHelp(0, ruGetAppDir() & "csi_viz.HLP", HELP_CONTENTS, 0)
26 End Function
27
28 Function ruExtractDir (path) As String
29     Dim i As Integer
30     If InStr(path, "\") = 0 Or Len(path) < 3 Then
31         ruExtractDir = ""
32     Else
33         For i = Len(path) - 1 To 2 Step -1
34             If Mid(path, i, 1) = "\" Then
35                 Exit For
36             End If
37         Next i
38         If i = 2 Then
39             ruExtractDir = ""
40         Else
```

```
41         ruExtractDir = Left(path, i)
42     End If
43 End If
44
45 End Function
46
47 Function ruGetAppDir ()
48     Dim DB As Database
49
50     Set DB = DBEngine(0)(0)
51     ruGetAppDir = ruExtractDir(DB.Name)
52 End Function
53
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 1/23/96 9:12:07 PM  
Owner: God

Last Updated: 6/18/96 8:28:54 AM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4
5 Dim modOverrideReason$
6 Dim modSetLevelType%
7 Dim modSaveRemarks$
8
9 Const NL_NONE% = 1
10 Const NL_CURRENT% = 2
11 Const NL_RBL% = 3
12 Const NL_CALC% = 4
13
14 Dim modSaveName$
15
16 Dim modCalcCode$
17
18 Dim modInitialized%
19
20 Dim modLevelChangeSinceSave%
21
22
23 Const SELECT_BTN_TEXT = "Select All"
24 Const UNSELECT_BTN_TEXT = "Unselect All"
25
26 Function a_test ()
27     Dim f As Form
28
29     Set f = forms!frm_lsPrimary
30     f.Requery
31     f.Refresh
32     f.Recalc
33 End Function
34
35 Function lsCalcAllLevelst ()
36     Dim db As Database
37     Dim rs As Recordset, rsNew As Recordset
38     Dim c$
39     Dim level%
40     Dim reductionDays%
41     Dim reductionFactor As Single
```

```
42
43     reductionDays = DFirst("lsRecalcMinReductionDays", "tblStaticVars")
44     reductionFactor = DFirst("lsRecalcReductionFactor", "tblStaticVars")
45
46
47     DoCmd SetWarnings False
48     DoCmd OpenQuery "qry_lsUpdateStartDate"
49
50     xxx = guFlushTable("tblTemp_lsMinNetCsi", False)
51     DoCmd OpenQuery "qry_lsLoadMinNetCsi"
52     DoCmd SetWarnings True
53
54
55     Set db = dbengine(0) (0)
56     Set rs = db.OpenRecordset("qry_lsLevelRecalcData", DB_OPEN_DYNASET)
57     Set rsNew = db.OpenRecordset("tblTemp_lsNewLevels", DB_OPEN_DYNASET)
58
59     Do Until rs.EOF
60         If rs!Select Then
61             If IsNull(rs!currentLevel) Then
62                 If IsNull(rs!currentWip) Then
63                     c = "Z"
64                     level = 1
65                 Else
66                     level = rs!currentWip + rs!currentCsi - rs!currentBo
67                     If level < 1 Then
68                         c = "N"
69                         level = 1
70                     Else
71                         c = "I"
72                     End If
73                 End If
74             Else
75                 If IsNull(rs!startDate) Then
76                     level = rs!currentLevel
77                     If rs!lastConstraintDate > rs!lastLevelChange Then
78                         c = "C"
79                     ElseIf rs!lastExcessDate > rs!lastLevelChange Then
80                         c = "X"
81                     ElseIf IsNull(rs!avgRepTime) Then
82                         c = "R"
83                     Else
84                         c = "L"
85                     End If
86                 Else
87                     If rs!minNetCsi < 0 Then
88                         c = "B"
89                         level = rs!currentLevel - rs!minNetCsi
90                     ElseIf rs!minNetCsi > 0 And rs!currentLevel > 1 And
DateDiff("d", rs!startDate, lsGetEndDate()) > reductionDays Then
91                         c = "S"
```

```

92      level = rs!currentLevel - CInt(reductionFactor *
rs!minNetCsi)
93      If level = rs!currentLevel Then
94          level = level - 1
95      End If
96      If level < 1 Then
97          level = 1
98      End If
99      If level = rs!currentLevel Then
100          c = "A"
101      End If
102      Else
103          c = "A"
104          level = rs!currentLevel
105      End If
106      End If
107      End If
108
109      rsNew.FindFirst "niin=" & rs!niin & ""
110      rsNew.Edit
111      rsNew!calcLevel = level
112      rsNew!code = c
113      If rsNew!setToCalc Then
114          rsNew!newLevel = level
115      End If
116      rsNew.Update
117      End If
118      rs.MoveNext
119      Loop
120      rs.Close
121      rsNew.Close
122
123
124      End Function
125
126      Function lsCalcLevelXXX (newLevel%, code$, curLevel, curWip, curCsi, curBo,
startDate, ConstraintDate, levelChangeDate, csiMin, boMax, avgRepTime)
127
128      If IsNull(curLevel) Then
129          If IsNull(curWip) Then
130              code = "Z"
131              newLevel = 1
132          Else
133              newLevel = curWip + curCsi - curBo
134              If newLevel < 1 Then
135                  code = "N"
136                  newLevel = 1
137              Else
138                  code = "I"
139              End If
140          End If

```



```
141     Else
142         If IsNull(startDate) Then
143             newLevel = curLevel
144             If IsNull(avgRepTime) Then
145                 code = "D"
146             ElseIf ConstraintDate > levelChangeDate Then
147                 code = "C"
148             Else
149                 code = "L"
150             End If
151         Else
152             If boMax > 0 Then
153                 code = "B"
154                 newLevel = curLevel + boMax
155             ElseIf csiMin > 0 And curLevel > 1 And DateDiff("d", startDate,
ldGetEndDate("levelHistory")) > 90 Then
156                 code = "S"
157                 newLevel = curLevel - csiMin
158             Else
159                 code = "A"
160                 newLevel = curLevel
161             End If
162         End If
163     End If
164     modCalcCode = code
165
166 End Function
167
168 Function lsCalcStartDate (changeDate, lastConstraintDate, lastExcessDate,
avgRepTime, endDate)
169     Dim startDate
170
171     If IsNull(changeDate) Or IsNull(avgRepTime) Then
172         lsCalcStartDate = Null
173         Exit Function
174     End If
175
176     If IsNull(lastConstraintDate) Then
177         startDate = changeDate
178     Else
179         startDate = lastConstraintDate
180     End If
181
182     If Not IsNull(lastExcessDate) Then
183         startDate = guMax(startDate, lastExcessDate)
184     End If
185
186     startDate = DateAdd("d", avgRepTime + 1, startDate)
187
188     If startDate > endDate Then
189         startDate = Null
```

```
190     End If
191
192     lsCalcStartDate = startDate
193 End Function
194
195 Function lsClickClearOverrideXXX ()
196     DoCmd Hourglass True
197
198     DoCmd SetWarnings False
199     DoCmd OpenQuery "qry_lsClearOverrides"
200     DoCmd SetWarnings True
201
202     Screen.ActiveForm.Refresh
203
204     DoCmd Hourglass False
205
206 End Function
207
208 Function lsClickCodePopupOk ()
209     DoCmd Close A_FORM, "frm_lsCalcCodePopup"
210
211 End Function
212
213 Function lsClickDontChangeXXX ()
214
215     DoCmd OpenForm "frm_lsOverridePopup", , , , A_DIALOG
216     DoCmd Hourglass True
217
218     DoCmd SetWarnings False
219     DoCmd OpenQuery "qry_lsNoChangeOverrides"
220     DoCmd SetWarnings True
221
222     Screen.ActiveForm.Refresh
223     DoCmd Hourglass False
224
225 End Function
226
227 Function lsClickExit ()
228     Dim s$
229
230     'DoCmd Close A_FORM, "frm_lsPrimary"
231     xxx = mmQuit()
232 End Function
233
234 Function lsClickMenu ()
235     On Error Resume Next
236     DoCmd Close A_FORM, "frm_lsPrimary"
237 End Function
238
239 Function lsClickOptions ()
240     DoCmd OpenForm "frm_lsOptionsPopup", , , , A_DIALOG
```

```
241 End Function
242
243 Function lsClickOptionsPopupCancel ()
244     DoCmd Close A_FORM, "frm_lsOptionsPopup"
245
246 End Function
247
248 Function lsClickOptionsPopupOk ()
249     Dim f As Form
250     Dim db As Database
251     Dim rs As Recordset
252
253     Set f = forms!frm_lsOptionsPopup
254
255     '*** Check for Data Validity
256     If f!txtReductionDays < 1 Or f!txtReductionDays > 365 Then
257         MsgBox "The specified minimum wait period before level reduction is out
of range.", MB_ICONEXCLAMATION, "Invalid Input"
258         Exit Function
259     End If
260     If f!txtReductionFactor > 1 Or f!txtReductionFactor <= 0 Then
261         MsgBox "The specified level reduction factor is out of range.",
MB_ICONEXCLAMATION, "Invalid Input"
262         Exit Function
263     End If
264
265
266     Set db = dbengine(0)(0)
267     Set rs = db.OpenRecordset("tblStaticVars", DB_OPEN_TABLE)
268     rs.Edit
269
270     rs!lsSaveOnlyChanges = (f!txtChangesOnly = 1)
271
272     rs!lsRecalcMinReductionDays = Cint((f!txtReductionDays))
273     rs!lsRecalcReductionFactor = f!txtReductionFactor
274
275     rs.Update
276     rs.Close
277
278     DoCmd Close A_FORM, "frm_lsOptionsPopup"
279
280 End Function
281
282 Function lsClickOverridePopupOk ()
283     DoCmd Close A_FORM, "frm_lsOverridePopup"
284
285 End Function
286
287 Function lsClickPrint ()
288     xxx = guPrint()
289 End Function
```

```
290
291 Function lsClickRecalc (niin$)
292     Dim f As Form
293
294     Set f = forms!frm_lsPrimary
295
296     DoCmd Hourglass True
297     guStatusMsg "Recalculating . . ."
298
299     'DoCmd SetWarnings False
300     'DoCmd OpenQuery "qry_lsClearLevels"
301     'DoCmd SetWarnings True
302
303     'Screen.ActiveForm.Refresh
304     xxx = lsCalcAllLevels()
305     'Screen.ActiveForm.Refresh
306     f.Recalc
307
308     guStatusClose
309     DoCmd Hourglass False
310 End Function
311
312 Function lsClickSave ()
313
314     If DCount("?", "tblTemp_lsNewLevels", "([calcLevel] is null) AND [select]")
315     > 0 Then
316         MsgBox "The recommended level must be calculated before a level can be
317         saved.", MB_ICONEXCLAMATION, "Save"
318         Exit Function
319     End If
320     DoCmd OpenForm "frm_lsSavePopup", , , , A_DIALOG
321
322 End Function
323
324 Function lsClickSavePopupCancel ()
325     DoCmd Close A_FORM, "frm_lsSavePopup"
326 End Function
327
328 Function lsClickSavePopupOk (txtRemarks, txtName)
329     Dim f As Form
330     Dim msg$
331
332     If txtName = "" Or IsNull(txtName) Then
333         MsgBox "Your name is required!", , "Input Error"
334
335         Set f = forms!frm_lsSavePopup
336         f.SetFocus
337         f!txtName.SetFocus
338
339     ElseIf Len(txtName) > 6 Then
340         MsgBox "Your name cannot exceed 6 characters!", , "Input Error"
```

```
339
340     Set f = forms!frm_lsSavePopup
341     f.SetFocus
342     f!txtName.SetFocus
343
344
345     ElseIf txtRemarks = "" Or IsNull(txtRemarks) Then
346         MsgBox "Some explanation is required!", , "Input Error"
347
348     Set f = forms!frm_lsSavePopup
349     f.SetFocus
350     f!txtRemarks.SetFocus
351
352     ElseIf Len(txtRemarks) > 100 Then
353         MsgBox "Your remarks cannot exceed 100 characters!", , "Input Error"
354
355     Set f = forms!frm_lsSavePopup
356     f.SetFocus
357     f!txtName.SetFocus
358
359     Else
360         modSaveRemarks = txtRemarks
361         modSaveName = txtName
362         DoCmd Close A_FORM, "frm_lsSavePopup"
363
364         If DCount("?", "tblLauxNewLevels") <> 0 Then
365             msg = "Previous saved level settings exist locally." & vbCrLf &
366             msg = msg & "Do you want to erase them before adding the new level
367             settings?"
368             If MsgBox(msg, 32 + 4, "Save Level Settings") = 6 Then
369                 xxx = guFlushTable("tblLauxNewLevels", True)
370             End If
371         End If
372
373         'DoCmd OpenForm "frm_lsSaveNotify"
374         'forms!frm_lsSaveNotify.Repaint
375         'forms!frm_lsSaveNotify.Recalc
376
377         DoCmd SetWarnings False
378         DoCmd OpenQuery "qry_lsSaveNewLevels"
379
380         'DoCmd TransferText A_EXPORTFIXED, "aisOutputSpec", "qry_lsAisOutput",
381         lsGetAisFileName()
382
383         'xxx = guFlushTable("tblTemp_lsNewLevels", False)
384         'DoCmd OpenQuery "qry_lsInitNewLevels"
385         DoCmd SetWarnings True
386
387         modLevelChangeSinceSave = False
388
```

```
387         'xxx = lsResetSelectBtn()
388
389         'forms!frm_lsPrimary.Requery
390
391         'DoCmd Close A_FORM, "frm_lsSaveNotify"
392
393         '*** Bypass Until Remote File Transfers Are Available
394         Exit Function
395
396         msg = "Your system does not have a local (direct) connection to the
System Administrator system." & guCRLF() & guCRLF()
397         msg = "Create a separate database file for doing a remote transfer?"
398         If MsgBox(msg, 32 + 4, "Save Level Settings") = 6 Then
399             xxx = lsCreateTransferFile()
400         End If
401
402     End If
403
404 End Function
405
406 Function lsClickSelect ()
407     Dim f As Form
408
409     xxx = guEchoSet(False)
410
411     Set f = forms!frm_lsPrimary
412     'xxx = guSetHiddenCtlText(f!txtSelect, Not (f!txtSelect), f!txtNsn, False)
413     f.Refresh
414
415     xxx = guEchoSet(True)
416
417
418 End Function
419
420 Function lsClickSelectBtn ()    'No return
421     Dim ctl As Control
422     Set ctl = forms("frm_lsPrimary")!btnSelect
423
424     DoCmd Hourglass True
425     DoCmd SetWarnings False
426
427
428     If ctl.Caption = UNSELECT_BTN_TEXT Then
429         DoCmd OpenQuery "qry_lsUnselectAll"
430         ctl.Caption = SELECT_BTN_TEXT
431     Else
432         DoCmd OpenQuery "qry_lsSelectAll"
433         ctl.Caption = UNSELECT_BTN_TEXT
434     End If
435
436     DoCmd SetWarnings True
```

```
437     Screen.ActiveForm.Refresh
438     DoCmd Hourglass False
439
440 End Function
441
442 Function lsClickSetLevel ()
443     Dim queryname$
444
445     modSetLevelType = 0
446     DoCmd OpenForm "frm_lsSetLevelTypePopup", , , , A_DIALOG
447
448
449     Select Case modSetLevelType
450         Case NL_CURRENT
451             queryname = "qry_lsSetLevelCurrent"
452         Case NL_RBL
453             queryname = "qry_lsSetLevelRbl"
454         Case NL_CALC
455             queryname = "qry_lsSetLevelCalculated"
456         Case NL_NONE
457             queryname = "qry_lsSetLevelNone"
458         Case Else 'Including 0
459             Exit Function
460
461     End Select
462     modLevelChangeSinceSave = True
463
464     DoCmd Hourglass True
465
466     DoCmd SetWarnings False
467     DoCmd OpenQuery queryname
468     DoCmd SetWarnings True
469
470     Screen.ActiveForm.Refresh
471     Screen.ActiveForm.Recalc
472     DoCmd Hourglass False
473
474 End Function
475
476 Function lsClickSetLevelPopupOk ()
477     Dim fname$
478
479     fname = "frm_lsSetLevelTypePopup"
480     modSetLevelType = forms(fname)!optnewLevelType
481
482     DoCmd Close A_FORM, fname
483
484 End Function
485
486 Function lsCodePopupLoadEvent ()
487     Dim f As Form
```

```
488
489     Set f = forms!frm_lsCalcCodePopup
490     f!lboDefs = modCalcCode
491 End Function
492
493 Function lsCreateTransferFile ()
494     MsgBox "This function has not been installed yet", , SHORT_TITLE
495 End Function
496
497 Function lsDisplayCalcCodePopup (calcCode)
498     If IsNull(calcCode) Then
499         Exit Function
500     End If
501
502     modCalcCode = calcCode
503     DoCmd OpenForm "frm_lsCalcCodePopup", , , , A_DIALOG
504
505 End Function
506
507 Function lsFormCloseEvent ()
508
509     If mmReturnToMenu Then
510         xxx = mmShowMenu("ls")
511     End If
512
513 End Function
514
515 Function lsFormOpenEvent () 'No return
516     Dim f As Form
517
518     Set f = forms("frm_lsPrimary")
519
520     mmReturnToMenu = True
521
522     DoCmd Maximize
523
524     If Not modInitialized Then
525         DoCmd SetWarnings False
526         xxx = guFlushTable("tblTemp_lsNewLevels", False)
527         xxx = guFlushTable("tblTemp_lsLastLevelChange", False)
528         xxx = guFlushTable("tblTemp_lsLastConstraintDate", False)
529         xxx = guFlushTable("tblTemp_lsLastExcessDate", False)
530         DoCmd OpenQuery "qry_lsInitNewLevels"
531         DoCmd OpenQuery "qry_lsLoadLastLevelChange"
532         DoCmd OpenQuery "qry_lsLoadLastConstraintDate"
533         DoCmd OpenQuery "qry_lsLoadLastExcessDate"
534         xxx = lsCalcAllLevels()
535         DoCmd SetWarnings True
536         modInitialized = True
537     End If
538
```



```
539     f.recordSource = "qry_lsPrimaryForm"
540
541     xxx = lsResetSelectBtn()
542     xxx = ldUpdateLdbDisplay(f)
543
544 End Function
545
546 Function lsFormUnloadEvent ()
547     Dim m$
548
549     If modLevelChangeSinceSave And DCount("*", "qry_lsCountSaveRecs") > 0 Then
550
551         m = "There have been some level changes since the last save." & guCRLF()
552         m = m & "Do you want to leave the Level Setting module without saving
them?"
553         If Not IDOK = MsgBox(m, MB_OKCANCEL + MB_ICONQUESTION, "Exit Level
Setting") Then
554             DoCmd CancelEvent
555         End If
556     End If
557
558 End Function
559
560 Function lsGetAisFileName$ ()
561     lsGetAisFileName = guGetAppPath() & "cv1" & guCreateJulian(Date) & ".txt"
562 End Function
563
564 Function lsGetCalcCode$ ()
565     lsGetCalcCode = modCalcCode
566 End Function
567
568 Function lsGetEndDate ()
569     lsGetEndDate = ldGetEndDate("Inventory")
570
571 End Function
572
573 Function lsGetLastSaveDate ()
574     lsGetLastSaveDate = DMax("setDate", "tblLdbLevelHistory")
575
576 End Function
577
578 Function lsGetOverrideReason ()
579     lsGetOverrideReason = modOverrideReason
580 End Function
581
582 Function lsGetSaveCount$ ()
583     lsGetSaveCount = DCount("*", "qry_lsCountSaveRecs")
584 End Function
585
586 Function lsGetSaveName ()
587     lsGetSaveName = modSaveName
```

```
588 End Function
589
590 Function lsGetSaveOnlyChanges% ()
591     lsGetSaveOnlyChanges = DFirst("lsSaveOnlyChanges", "tblStaticVars")
592 End Function
593
594 Function lsGetSaveRemarks ()
595     lsGetSaveRemarks = modSaveRemarks
596 End Function
597
598 Function lsGetStartDate ()
599
600     lsGetStartDate = guMax(ldGetStartDate("levelHistory"),
601         ldGetStartDate("Inventory"))
602 End Function
603
604 Function lsInitVars ()
605     'xxx = lsReinitialize()
606     modLevelChangeSinceSave = False
607 End Function
608
609 Function lsOptionsPopupOpenEvent ()
610     Dim f As Form
611     Set f = forms!frm_lsOptionsPopup
612
613     If DFirst("lsSaveOnlyChanges", "tblStaticVars") Then
614         f!txtChangesOnly = 1
615     Else
616         f!txtChangesOnly = 2
617     End If
618
619     f!txtReductionDays = DFirst("lsRecalcMinReductionDays", "tblStaticVars")
620     f!txtReductionFactor = DFirst("lsRecalcReductionFactor", "tblStaticVars")
621
622 End Function
623
624 Function lsOverridePopupCloseEvent (e)
625     Dim f As Form
626     Set f = forms!frm_lsOverridePopup
627
628     If e = "" Or IsNull(e) Then
629         DoCmd CancelEvent
630         MsgBox "Some explanation is required!", , "Input Error"
631
632         f.SetFocus
633         f!txtReason.SetFocus
634
635     ElseIf Len(e) > 100 Then
636         DoCmd CancelEvent
637         MsgBox "Your reason cannot exceed 100 characters!", , "Input Error"
```

```
638
639     f.SetFocus
640     f!txtReason.SetFocus
641
642     Else
643         modOverrideReason = e
644     End If
645 End Function
646
647 Function lsOverridePopupOpenEvent ()
648     Dim f As Form
649     Set f = forms!frm_lsOverridePopup
650     f!txtReason.SetFocus
651     f!txtReason.text = lsGetOverrideReason()
652     f!txtReason.SetFocus
653     SendKeys "{F2}"
654 End Function
655
656 Function lsReinitialize ()
657     modInitialized = False
658 End Function
659
660 Function lsResetSelectBtn ()
661
662     forms!frm_lsPrimary!btnSelect.Caption = UNSELECT_BTN_TEXT
663
664 End Function
665
666 Function lsSavePopupOpenEvent ()
667     Dim f As Form
668     Set f = forms!frm_lsSavePopup
669     f!txtRemarks.SetFocus
670     f!txtRemarks.text = lsGetSaveRemarks()
671     f!txtName.SetFocus
672     f!txtName.text = lsGetSaveName()
673     SendKeys "{F2}"
674
675 End Function
676
677 Function lsSetLevelType (t%)
678     modSetLevelType = t
679 End Function
680
681 Function lsSetOverrideReason ()
682     Dim f As Form
683
684     xxx = guEchoSet(False)
685     Set f = forms!frm_lsPrimary
686
687     If IsNull(f!newLevel) Then
688         f!reason = Null
```

```
689     Else
690         DoCmd OpenForm "frm_lsOverridePopup", , , , A_DIALOG
691         f!reason = modOverrideReason
692         modLevelChangeSinceSave = True
693     End If
694     f!setToCalc = False
695     f.Refresh
696     xxx = guEchoSet(True)
697 End Function
698
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 1/23/96 9:12:07 PM  
Owner: God

Last Updated: 3/14/97 7:13:05 PM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4 Const CDB_FILE_NAME = "cv_cdb.mdb"
5
6 Dim modCurrentLdbId%
7 Dim modName$
8
9 Dim modDefSor$
10 Dim modDefSos$
11 Dim modDefMgr$
12 Dim modDefIsn$
13 Dim modDefTransSource$
14 Dim modLastCdbUpdate
15
16 Dim modCdbDatabase As Database
17
18 Function ldAttachToCdb% ()
19     Dim cdbFile$, cdbDir$
20     Dim m$
21     Dim db As Database
22     Dim td As TableDef
23     Dim t%
24     Static TableName$(50)
25     Dim tableCount%
26     Dim connected%
27     Dim ws As Workspace
28     Dim startTime
29
30
31     cdbDir = ldGetCdbDirectory()
32     cdbFile = cdbDir & CDB_FILE_NAME
33
34     If Not guDirExists(cdbDir) Then
35         m = "The specified central database directory, "" & cdbDir & "" does
not"
36         m = m & " exist, or is currently not accessible."
37         m = m & " The local databases may be out-of-date."
38         MsgBox m, MB_ICONEXCLAMATION, "Update Database"
39         ldAttachToCdb = False
40         Exit Function
```

```
41     End If
42
43     If Dir(cdbFile) = "" Then
44         m = "The central database was not found in directory "" & cdbDir & ""
45         m = m & " The local databases may be out-of-date."
46         MsgBox m, MB_ICONEXCLAMATION, "Update Database"
47         ldAttachToCdb = False
48         Exit Function
49     End If
50
51     guStatusMsg "Connecting to the Central DB"
52
53     '*** Check that it can be accessed, that is, mke sure that the
54     '*** SAP hasn't opened it exclusive for updating.
55     '*** Then open it for multi-user, read-only access to prevent the
56     '*** SAP from getting it.
57
58     Set ws = DBEngine(0)
59     startTime = Now
60     connected = False
61     Do Until connected
62         If DateDiff("s", startTime, Now) > 5 Then
63             guStatusClose
64             m = "The central database is currently locked or cannot be opened
for data access."
65             m = m & " This could be because System Administrator Program"
66             m = m & " has locked it while it is performing an update."
67             MsgBox m, MB_ICONEXCLAMATION, "Update Database"
68             ldAttachToCdb = False
69             Exit Function
70         End If
71         connected = True
72         On Error GoTo CDB_LOCKED
73         Set modCdbDatabase = ws.OpenDatabase(cdbFile, True, True)
74         On Error GoTo 0
75     Loop
76
77
78     '*** Note that there is a processing speed issue here and to alleviate
79     '*** it somewhat, this was broken into 3 FOR loops, and the General
80     '*** Utility fcns for reattaching were not used.
81     Set db = DBEngine(0).OpenDatabase(cdbFile, True, True)
82     tableCount = 0
83     For t = 0 To db.TableDefs.Count - 1
84         Set td = db.TableDefs(t)
85         If Left(td.name, 4) = "tblC" Then
86             TableName(tableCount) = td.name
87             tableCount = tableCount + 1
88         End If
89     Next
```

```
90     db.Close
91
92     Set db = DBEngine(0) (0)
93     On Error Resume Next
94     For t = 0 To tableCount - 1
95         db.Tabledefs.Delete TableName(t)
96     Next
97     On Error GoTo 0
98     db.Tabledefs.Refresh
99
100    For t = 0 To tableCount - 1
101        DoCmd TransferDatabase A_ATTACH, "Microsoft Access", cdbFile, A_TABLE,
102        TableName(t), TableName(t)
103    Next
104    db.Tabledefs.Refresh
105
106    modLastCdbUpdate = DMax("iif (Last_Update is not null, Last_Update,
107    Last_Rebuild)", "tblCentralDBInfo")
108
109    guStatusClose
110
111    ldAttachToCdb = True
112
113    Exit Function
114
115 CDB_LOCKED:
116     connected = False
117     Resume Next
118
119 End Function
120
121 Function ldAttachToLdb (id%)
122     Dim fname$
123     Dim db As Database
124     Dim td As TableDef
125     Dim t%
126     Static TableName$(30)
127     Dim tableCount%
128
129     If id = modCurrentLdbId Then Exit Function
130
131     If id = 0 Then id = modCurrentLdbId
132
133     '*** Note that there is a processing speed issue here and to alleviate
134     '*** it somewhat, this was broken into 3 FOR loops, and the General
135     '*** Utility fcns for reattaching were not used.
136     fname = ldLdbFileName(id)
137     Set db = DBEngine(0).OpenDatabase(fname)
138     tableCount = 0
139     For t = 0 To db.Tabledefs.Count - 1
140         Set td = db.Tabledefs(t)
```

```
139         If Left(td.name, 6) = "tblLdb" Then
140             TableName(tableCount) = td.name
141             tableCount = tableCount + 1
142         End If
143     Next
144     db.Close
145
146     Set db = DBEngine(0)(0)
147     On Error Resume Next
148     For t = 0 To tableCount - 1
149         db.TableDefs.Delete TableName(t)
150     Next
151     On Error GoTo 0
152     db.TableDefs.Refresh
153
154     For t = 0 To tableCount - 1
155         DoCmd TransferDatabase A_ATTACH, "Microsoft Access", fname, A_TABLE,
156         TableName(t), TableName(t)
157     Next
158     db.TableDefs.Refresh
159 End Function
160
161 Function ldcdbFileExists ()
162
163 End Function
164
165 Function ldclearExclusions ()
166     Dim db As Database
167     Dim rsTables As Recordset
168     Dim m$
169     Dim copyTransFirst$
170     Dim s$
171
172     m = "All exclusion flags you have set to this point will be reset.
173     Continue?"
174     If Not IDOK = MsgBox(m, MB_OKCANCEL + MB_ICONQUESTION, "Reset Exclusion
175     Flags") Then
176         Exit Function
177     End If
178
179     Set db = DBEngine(0)(0)
180     Set rsTables = db.OpenRecordset("tblDataTableDefs", DB_OPEN_SNAPSHOT,
181     DB_FORWARDONLY)
182
183     DoCmd SetWarnings False
184     Do Until rsTables.eof
185         If rsTables!installed And rsTables!transExclusion Then
186             s = "UPDATE DISTINCTROW tblLdb & rsTables!name & " AS t1"
187             s = s & " SET t1.exclude = False WHERE (t1.exclude=True)"
```



```
187         DoCmd RunSQL s
188     End If
189
190     rsTables.MoveNext
191 Loop
192 DoCmd SetWarnings True
193 rsTables.Close
194
195     xxx = twSetExclusionChangeFlag()    'Force the Tool Windows to requery
196
197 End Function
198
199 Function ldDataAvailable (rsLdbDef As Recordset, dataTableName$)
200     Dim getTable, StartDate
201
202     getTable = rsLdbDef("Get" & dataTableName)
203     StartDate = rsLdbDef(dataTableName & "Start")
204
205     '*** The LevelHistory table can have a NULL start date
206     If getTable And Not (IsNull(StartDate) And dataTableName <> "LevelHistory")
207     Then
208         'If getTable Then
209             ldDataAvailable = True
210         Else
211             ldDataAvailable = False
212         End If
213     End Function
214
215 Function ldFlushLdbData (ldbId%, attachFirst%)
216     Dim db As Database
217     Dim TableName$
218     Dim t%
219
220     If attachFirst And ldbId <> modCurrentLdbId Then
221         xxx = ldAttachToLdb(ldbId)
222     End If
223
224     DoCmd SetWarnings False
225     Set db = DBEngine(0)(0)
226     For t = 0 To db.TableDefs.Count - 1
227         TableName = db.TableDefs(t).name
228         If Left(TableName, 6) = "tblLdb" And TableName <> "tblLdbUpdateInfo"
229         Then
230             xxx = guFlushTable(TableName, False)
231         End If
232     Next
233     DoCmd SetWarnings True
234
235     If attachFirst And ldbId <> modCurrentLdbId Then
236         xxx = ldAttachToLdb(0)
```

```
236     End If
237
238 End Function
239
240 Private Function ldGenerateNiinList% (rsLdbDef As Recordset)
241     '*** This will return TRUE if the database is NIIN-limited
242     Dim q$
243     Dim sgm$
244     Dim db As Database
245     Dim rs As Recordset
246
247     ldGenerateNiinList = Not (IsNull(rsLdbDef!ldIsM) And IsNull(rsLdbDef!ldSor)
And IsNull(rsLdbDef!ldItemMgr) And IsNull(rsLdbDef!ldSos))
248
249     xxx = guFlushTable("tblTemp_ldUpdatedNiins", True)
250     xxx = guFlushTable("tblTemp_ldNiinsAdd", True)
251     xxx = guFlushTable("tblTemp_ldNiinsDelete", True)
252
253     If Not IsNull(rsLdbDef!ldIsM) Then
254         '*** Although the field is labeled ISM, it not necessarily the master
255         sgm = DLookup("[sgm]", "tblLauxNsnData", "niin='" & rsLdbDef!ldIsM &
"'"")
256         modDefIsM = DLookup("[ism]", "tblLauxSgmData", "niin='" & sgm & "'"")
257         q = "qry_ldCopySingleIsMToTemp"
258
259     ElseIf IsNull(rsLdbDef!ldSor) Then
260         q = "qry_ldCopyAllNiinsToTemp"
261
262     Else
263         modDefSor = rsLdbDef!ldSor
264         Select Case rsLdbDef!ldSorType
265             Case ST_SOR
266                 q = "qry_ldCopySorNiinsToTemp"
267             Case ST_SHOP
268                 q = "qry_ldCopyShopNiinsToTemp"
269             Case ST_PSSD
270                 'q = "qry_ldCopyPssdNiinsToTemp"
271                 Set db = DBEngine(0) (0)
272                 Set rs = db.OpenRecordset("tblTemp_deSorList")
273                 q = "INSERT INTO tblTemp_ldUpdatedNiins ( Niin, Sgm ) SELECT
DISTINCTROW tblLauxNsnData.niin, "
274                 q = q & "First(tblLauxNsnData.sgm) AS FirstOfsgm FROM
tblLauxNsnData INNER JOIN (tblLauxSgmData INNER JOIN "
275                 q = q & "(tblLauxRccData INNER JOIN tblLauxRccIsMxRef ON
tblLauxRccData.Rcc = tblLauxRccIsMxRef.Rcc) "
276                 q = q & "ON tblLauxSgmData.IsM = tblLauxRccIsMxRef.Niin) ON
tblLauxNsnData.sgm = tblLauxSgmData.Niin "
277                 q = q & "WHERE ((tblLauxRccData.Pssd='" & rs!Sor
278                 rs.MoveNext
279                 While (Not (rs.eof))
280                     q = q & "'" Or (tblLauxRccData.Pssd='" & rs!Sor
281                     rs.MoveNext
```

```
282         Wend
283         q = q & "') GROUP BY tblLauxNsnData.niin;"
284         DoCmd SetWarnings False
285         DoCmd RunSQL q
286         DoCmd SetWarnings True
287         Exit Function
288     Case ST_RCC
289         'q = "qry_ldCopyRccNiinsToTemp"
290         Set db = DBEngine(0) (0)
291         Set rs = db.OpenRecordset("tblTemp_deSorList")
292         q = "INSERT INTO tblTemp_ldUpdatedNiins ( Niin, Sgm ) SELECT
DISTINCTROW tblLauxNsnData.niin, "
293         q = q & "tblLauxNsnData.sgm FROM tblLauxNsnData INNER JOIN
(tblLauxSgmData INNER JOIN "
294         q = q & "tblLauxRccIsMxRef ON tblLauxSgmData.IsM =
tblLauxRccIsMxRef.Niin) "
295         q = q & "ON tblLauxNsnData.sgm = tblLauxSgmData.Niin WHERE
((tblLauxRccIsMxRef.Rcc ='" & rs!Sor
296         rs.MoveNext
297         While (Not (rs.eof))
298             q = q & "'" Or (tblLauxRccIsMxRef.Rcc='" & rs!Sor
299             rs.MoveNext
300         Wend
301         q = q & "');";
302         DoCmd SetWarnings False
303         DoCmd RunSQL q
304         DoCmd SetWarnings True
305         Exit Function
306
307     End Select
308 End If
309
310 DoCmd SetWarnings False
311 DoCmd OpenQuery q
312
313 If Not IsNull(rsLdbDef!ldItemMgr) Then
314     modDefSos = rsLdbDef!ldSos
315     modDefMgr = rsLdbDef!ldItemMgr
316     DoCmd OpenQuery "qry_ldDeleteMgrNiinsFromTemp"
317
318 ElseIf Not IsNull(rsLdbDef!ldSos) Then
319     modDefSos = rsLdbDef!ldSos
320     DoCmd OpenQuery "qry_ldDeleteSosNiinsFromTemp"
321 End If
322
323 DoCmd OpenQuery "qry_ldSetAddNiins"
324 DoCmd OpenQuery "qry_ldSetDeleteNiins"
325
326 DoCmd SetWarnings True
327
328
329 End Function
```

```
330
331 Private Function ldGenerateSranList (rsLdbDef As Recordset)
332     '*** This will return TRUE if the database is SRAN-limited
333     Dim q$
334
335     If IsNull(rsLdbDef!ldTransSource) Then
336         ldGenerateSranList = False
337         Exit Function
338     End If
339     ldGenerateSranList = True
340
341     xxx = guFlushTable("tblTemp_ldUpdatedSrans", True)
342     xxx = guFlushTable("tblTemp_ldSransAdd", True)
343     xxx = guFlushTable("tblTemp_ldSransDelete", True)
344
345     Select Case rsLdbDef!ldTransSourceType
346     Case SR_SRAN
347         q = "qry_ldCopySingleSranToTemp"
348
349     Case SR_REGION
350         q = "qry_ldCopyRegionSransToTemp"
351
352     End Select
353
354     DoCmd SetWarnings False
355
356     modDefTransSource = rsLdbDef!ldTransSource
357     DoCmd OpenQuery q
358
359     DoCmd OpenQuery "qry_ldSetAddSrans"
360     DoCmd OpenQuery "qry_ldSetDeleteSrans"
361
362     DoCmd SetWarnings True
363
364
365 End Function
366
367 Function ldGetCdbDirectory ()
368     Dim SName$, KName$, Def$
369     Dim ret$
370     Dim size$
371     Dim fname$
372     Dim strLen$
373
374     ret = "12345678901234567890123456789012345678901234567890"
375     size = Len(ret)
376     fname = SysCmd(SYSCMD_INIFILE)
377     SName = "CSI Viz"
378     KName = "CdbDirectory"
379     Def = guGetAppPath()
380     strLen = GetPrivateProfileString(SName, KName, Def, ret, size, fname)
```

```
381
382     ldGetCdbDirectory = LCase(Left(ret, strLen))
383
384 End Function
385
386 Function ldGetDefIsm$ ()
387     ldGetDefIsm = modDefIsm
388 End Function
389
390 Function ldGetDefMgr$ ()
391     ldGetDefMgr = modDefMgr
392 End Function
393
394 Function ldGetDefSor$ ()
395     ldGetDefSor = modDefSor
396 End Function
397
398 Function ldGetDefSos$ ()
399     ldGetDefSos = modDefSos
400 End Function
401
402 Function ldGetDefTransSource$ ()
403     ldGetDefTransSource = modDefTransSource
404 End Function
405
406 Function ldGetEndDate (TableName$)
407     ldGetEndDate = DFirst(TableName & "End", "qry_ldLdbDef")
408 End Function
409
410 Function ldGetId$ ()
411     ldGetId = modCurrentLdbId
412 End Function
413
414 Function ldGetLdbInfo (fieldName$)
415     ldGetLdbInfo = DFirst(fieldName, "qry_ldLdbDef")
416 End Function
417
418 Function ldGetStartDate (TableName$)
419
420     ldGetStartDate = DFirst(TableName & "Start", "qry_ldLdbDef")
421 End Function
422
423 Function ldInitVars ()
424     'modDataTableName(0) = "Acquisitions"
425     'modDataTableName(1) = "Demands"
426     'modDataTableName(2) = "Inventory"
427     'modDataTableName(3) = "LevelHistory"
428     'modDataTableName(4) = "RepairTime"
429
430 End Function
431
```

```
432 Function ldIsLdbDefValid% (rsLdbDef As Recordset)
433     '*** This fcn checks the validity of the definition against the
434     '*** currently available data
435     Dim errMsg$
436     Dim crit1$, crit2$
437     Dim m$
438
439     errMsg = ""
440
441     '*** If a Shop, PSSD, or RCC is specified, check if it still exists
442     If Not IsNull(rsLdbDef!ldSor) Then
443         Select Case rsLdbDef!ldSorType
444             Case ST_SOR
445                 'Do nothing because assume this doesn't change
446
447             Case ST_SHOP
448                 If 0 = DCount("?", "tblLauxShopData", "Shop=""" &
rsLdbDef!ldSor & """) Then
449                     errMsg = errMsg & " The specified shop name is no longer
valid."
450                 End If
451
452             Case ST_PSSD
453                 If 0 = DCount("?", "tblLauxPssdData", "PSSD=""" &
rsLdbDef!ldSor & """) Then
454                     errMsg = errMsg & " The specified PSSD is no longer valid."
455                 End If
456
457             Case ST_RCC
458                 If 0 = DCount("?", "tblLauxRccData", "RCC=""" & rsLdbDef!ldSor
& """) Then
459                     errMsg = errMsg & " The specified RCC is no longer valid."
460                 End If
461             End Select
462         End If
463
464
465     '*** If a Mgr Designator Code is specified, check that there are NSNs for it
466     If Not IsNull(rsLdbDef!ldItemMgr) Then
467         crit1 = "(Sos='" & rsLdbDef!ldSos & "') AND "
468
469         Select Case rsLdbDef!ldItemMgrType
470             Case MT_DIRECTORATE
471                 crit2 = "(Ims_Dir='" & Left(rsLdbDef!ldItemMgr, 1) & "')"
472
473             Case MT_BRANCH
474                 crit2 = "(Ims_Dir & Ims_Branch ='" & Left(rsLdbDef!ldItemMgr,
2) & "')"
475
476             Case MT_MANAGER
477                 crit2 = "(Ims_Dir & Ims_Branch & Ims_Mgr ='" &
rsLdbDef!ldItemMgr & "')"

```

```
478
479     End Select
480     If 0 = DCount("?", "tblLauxIsmData", crit1 & crit2) Then
481         errMsg = errMsg & " There are no items for the specified manager
designator code(s). "
482     End If
483 End If
484
485
486 '*** If a SRAN or Region is specified, check if it still exists
487 If Not IsNull(rsLdbDef!ldTransSource) Then
488
489     Select Case rsLdbDef!ldTransSourceType
490     Case SR_SRAN
491         If 0 = DCount("?", "tblLauxSrans", "Sran=" &
rsLdbDef!ldTransSource & " ") Then
492             errMsg = errMsg & " The specified SRAN is no longer valid."
493         End If
494
495     Case SR_REGION
496         If 0 = DCount("?", "tblLauxBases", "Region=" &
rsLdbDef!ldTransSource & " ") Then
497             errMsg = errMsg & " The specified region is no longer
valid."
498         End If
499
500     End Select
501 End If
502
503
504
505 '*** If an NSN is specified, check that it exists. It doesn't have to be a
master.
506 If Not IsNull(rsLdbDef!ldIsm) Then
507     If 0 = DCount("?", "tblLauxNsnData", "Niin=" & rsLdbDef!ldIsm & " ")
Then
508         errMsg = errMsg & " The specified NIIN is no longer in the
database."
509     End If
510 End If
511
512
513 If errMsg <> "" Then
514     m = "The definition of local database " & rsLdbDef!ldName & " is no
longer valid."
515     m = m & vbCrLf & errMsg
516     m = m & vbCrLf & "The database could not be updated."
517     MsgBox m, MB_ICONEXCLAMATION, "LDB Definition Check"
518     ldIsLdbDefValid = False
519 Else
520     ldIsLdbDefValid = True
521 End If
522
```

```
523
524 End Function
525
526 Function ldLdbFileName$ (id%)
527     ldLdbFileName = guGetAppPath() & "cv_ldb" & id & ".mdb"
528 End Function
529
530 Function ldMergeTableAddXXX (sqlForNewRecs$, destTable$)
531     '*** Most of this code was taken from Andy's SAP program function
532     '*** named saAddIncrementalRecs() an dthen modified. However, it is not
        currently
533     '*** working because (1) I can't do a seek on an attached table so that I
        would need
534     '*** to open the database file AND (2) I currently embed a SQL subquery on
        an inner join
535     '*** and Access won't let me do it. This last problem could be
        circumvented by
536     '*** creating a temporary/permanent query whose SQL I change on the fly.
        Then I would
537     '*** embed the query name rather than the SQL in the overall SQL.
538     '*** Andy also has since speeded this up by adding 6 lines that do the
        Begin and Commit
539     '*** Trans stuff every 100 records, that he says speeds things up by 2x.
540     '*** All 3 fixes are easy (1 hr total), but I have opted not to do them
541     '*** and simply not use this function, but rather do a complete overwrite
        all the time
542
543     Dim i%, isPkField%
544     Dim nonPkCount%, j%, f$
545     Dim orderClause$, s$
546
547     Dim td As TableDef, pk As Index
548     Dim db As Database
549     Dim rsDest As Recordset, rsSource As Recordset
550     Static nonPkFieldNames$()
551     Static pkFieldNames$()
552     Dim numOfPkFields%, numOfNonPkFields%
553
554     Set db = DBEngine(0)(0)
555
556     Set td = db.TableDefs(destTable)
557     Set pk = td.Indexes!PrimaryKey
558     numOfPkFields = pk.Fields.Count
559     If numOfPkFields > 4 Then
560         Beep
561         MsgBox "Cannot handle primary keys with more than 4 fields.",
        MB_ICONEXCLAMATION
562         Exit Function
563     End If
564
565     ReDim pkFieldNames(numOfPkFields - 1)
566     For i = 0 To numOfPkFields - 1
567         pkFieldNames(i) = pk.Fields(i).name
```



```
568     Next i
569
570     numOfNonPkFields = td.Fields.Count - pk.Fields.Count
571
572     '*** Create list of the Non-Primary Key Fields
573     ReDim nonPkFieldNames(numOfNonPkFields)
574     nonPkCount = 0
575     For i = 0 To td.Fields.Count - 1
576         isPkField = False
577         f = td.Fields(i).name
578         For j = 0 To numOfPkFields - 1
579             If f = pkFieldNames(j) Then
580                 isPkField = True
581                 Exit For
582             End If
583         Next j
584
585         If Not isPkField Then
586             nonPkFieldNames(nonPkCount) = f
587             nonPkCount = nonPkCount + 1
588         End If
589     Next i
590
591     orderClause = " ORDER BY "
592     For i = 0 To numOfPkFields - 1
593         orderClause = orderClause & pkFieldNames(i) & ", "
594     Next i
595     orderClause = Left(orderClause, Len(orderClause) - 2)
596     Set rsSource = db.OpenRecordset(sqlForNewRecs & orderClause)
597
598     Set rsDest = db.OpenRecordset(destTable, DB_OPEN_DYNASET)
599     rsDest.Index = "PrimaryKey"
600
601     Do Until rsSource.eof
602         Select Case numOfPkFields
603             Case 1:
604                 rsDest.Seek "=", rsSource(pkFieldNames(0))
605             Case 2:
606                 rsDest.Seek "=", rsSource(pkFieldNames(0)),
rsSource(pkFieldNames(1))
607             Case 3:
608                 rsDest.Seek "=", rsSource(pkFieldNames(0)),
rsSource(pkFieldNames(1)), rsSource(pkFieldNames(2))
609             Case 4:
610                 rsDest.Seek "=", rsSource(pkFieldNames(0)),
rsSource(pkFieldNames(1)), rsSource(pkFieldNames(2)), rsSource(pkFieldNames(3))
611         End Select
612
613         If rsDest.NoMatch Then
614             rsDest.AddNew
615             For i = 0 To numOfPkFields - 1
```

```
616         rsDest(pkFieldNames(i)) = rsSource(pkFieldNames(i))
617     Next i
618 Else
619     rsDest.Edit
620 End If
621
622 For i = 0 To numOfNonPkFields - 1
623     rsDest(nonPkFieldNames(i)) = rsSource(nonPkFieldNames(i))
624 Next i
625 rsDest.Update
626
627 rsSource.MoveNext
628 Loop
629
630 rsSource.Close
631 rsDest.Close
632
633 End Function
634
635 Function ldMergeTableDeleteXXX (sqlForDelRecs$, destTable$)
636     '*** Most of this code was taken from Andy's SAP program function
637     '*** named saDeleteIncrementalRecs() an dthen modified. However, it is not
        currently
638     '*** working because I currently embed a SQL subquery on an inner join
639     '*** and Access won't let me do it. This could be circumvented by
640     '*** creating a temporary/permanent query whose SQL I change on the fly.
        Then I would
641     '*** embed the query name rather than the SQL in the overall SQL.
642     Dim db As Database
643     Dim td As TableDef
644     Dim pk As Index
645     Dim s1$, s2$, s3$
646     Dim i%
647
648     Set db = DBEngine(0)(0)
649     Set td = db.TableDefs(destTable)
650     Set pk = td.Indexes!PrimaryKey
651
652     s1 = "DELETE DISTINCTROW tDest.* FROM "
653     s2 = destTable & " AS tDest INNER JOIN (" & sqlForDelRecs & ") AS tSrc"
654
655     s3 = " ON "
656     For i = 0 To pk.Fields.Count - 1
657         s3 = s3 & "(tDest." & pk.Fields(i).name & " = tSrc." &
        pk.Fields(i).name & ") AND "
658     Next i
659     s3 = Left(s3, Len(s3) - 4)
660
661     DoCmd SetWarnings False
662     DoCmd RunSQL s1 & s2 & s3
663     DoCmd SetWarnings True
```

```
664
665
666 End Function
667
668 Function ldNsnLimitText$ ()
669
670     Dim db As Database, rs As Recordset
671     Dim s$
672     Dim t$
673
674     s = "SELECT DISTINCTROW tblLauxLdbDefs.* FROM tblLauxLdbDefs"
675     s = s & " WHERE (ldIndex=" & modCurrentLdbId & ");"
676     Set db = DBEngine(0)(0)
677     Set rs = db.OpenRecordset(s, DB_OPEN_DYNASET)
678
679     If rs.EOF Then
680         ldNsnLimitText = "Undefined LDB"
681         rs.Close
682         Exit Function
683     End If
684
685
686     If IsNull(rs!ldSor) And IsNull(rs!ldSos) And IsNull(rs!ldIsM) Then
687         ldNsnLimitText = "All NSNs maintained by the Central DB."
688         rs.Close
689         Exit Function
690     End If
691
692     t = ""
693     If Not IsNull(rs!ldSor) Then
694         Select Case rs!ldSorType
695             Case ST_SOR
696                 t = "SOR = " & rs!ldSor & "-ALC" & "" & vbCrLf()
697             Case ST_SHOP
698                 t = "Shop = " & rs!ldSor & "" & vbCrLf()
699             Case ST_PSSD
700                 t = "PSSD = " & rs!ldSor & "" & vbCrLf()
701             Case ST_RCC
702                 t = "RCC = " & rs!ldSor & "" & vbCrLf()
703         End Select
704     End If
705
706     If Not IsNull(rs!ldItemMgr) Then
707         t = t & "Mgr Designator Code(s) = " & rs!ldItemMgr & "" at " &
rs!ldSos & "-ALC" & vbCrLf()
708     ElseIf Not IsNull(rs!ldSos) Then
709         t = t & "SOS = " & rs!ldSos & "-ALC" & vbCrLf()
710     End If
711
712     If Not IsNull(rs!ldIsM) Then
713         t = "I&S Group of Item = " & rs!ldIsM & "" & vbCrLf()
```

```
714     End If
715
716     rs.Close
717     ldNsnLimitText = t
718
719 End Function
720
721 Function ldRebuildAllLdbs ()
722
723     DoCmd SetWarnings False
724     DoCmd OpenQuery "qry_ldForceLauxRebuild"
725     DoCmd OpenQuery "qry_ldForceLdbRebuild"
726     DoCmd SetWarnings True
727     xxx = ldUpdateAllLdbs(True)
728
729
730 End Function
731
732 Function ldReleaseCdb ()
733     modCdbDatabase.Close
734 End Function
735
736 Function ldSetCdbDirectory (ByVal cdbDir)
737
738     If IsNull(cdbDir) Then
739         cdbDir = ""
740     Else
741         cdbDir = LCase(cdbDir)
742     End If
743     If Len(cdbDir) > 0 And Right(cdbDir, 1) <> "\" Then
744         cdbDir = cdbDir & "\"
745     End If
746
747     xxx = WritePrivateProfileString("CSI Viz", "CdbDirectory", cdbDir,
SysCmd(SYS_CMD_INIFILE))
748
749
750 End Function
751
752 Function ldSetCurrentLdb (id%)
753     Dim db As Database
754     Dim m$
755     Dim rsLdbDef As Recordset
756     Dim rsTools As Recordset
757     Dim rsTables As Recordset
758     Dim enableTool%, tname$
759     Dim lastId%
760     Dim s$
761
762     If id = 0 Then 'Use 0 for initialization
763         lastId = DFirst("ldCurrentLdbId", "tblStaticVars")
```

```
764     If IsNull(DFirst("ldIndex", "tblLauXLdbDefs", "ldIndex=" & lastId)) Then
765         xxx = DFirst("ldIndex", "tblLauXLdbDefs")
766     If IsNull(xxx) Then
767         'm = "This program has no local databases defined. Use the
Database "
768         'm = m & "Editor to create one."
769         'MsgBox m, MB_ICONEXCLAMATION, "No Local Databases"
770         modCurrentLdbId = 0
771         Exit Function
772     End If
773     modCurrentLdbId = xxx
774 Else
775     modCurrentLdbId = lastId
776 End If
777
778 Else
779     modCurrentLdbId = id
780 End If
781
782 '*** Update the Static Variables Table
783 s = "UPDATE DISTINCTROW tblStaticVars SET tblStaticVars.ldCurrentLdbId = "
& modCurrentLdbId
784 DoCmd SetWarnings False
785 DoCmd RunSQL s
786 DoCmd SetWarnings True
787
788
789 xxx = ldAttachToLdb(0)
790
791
792 'modStartDate = ldGetLdbInfo(modCurrentLdbId, "actualStart")
793 'modEndDate = ldGetLdbInfo(modCurrentLdbId, "actualEnd")
794 modName = ldGetLdbInfo("ldName")
795 Set db = DBEngine(0)(0)
796
797 '*** Set Tool Restrictions Based on Data Availability
798 Set rsTools = db.OpenRecordset("tblToolNames", DB_OPEN_TABLE,
DB_FORWARDONLY)
799 Set rsLdbDef = db.OpenRecordset("qry_ldLdbDef", DB_OPEN_DYNASET,
DB_FORWARDONLY)
800 Set rsTables = db.OpenRecordset("tblDataTableDefs", DB_OPEN_TABLE)
801
802 Do Until rsTools.eof
803     If rsTools!installed Then
804         enableTool = True 'default
805         rsTables.MoveFirst
806         Do Until rsTables.eof
807             If rsTables!installed Then
808                 tname = rsTables!name
809                 If rsTools("Need" & tname) And Not
ldDataAvailable(rsLdbDef, tname) Then
810                     enableTool = False
```

```
811             Exit Do
812         End If
813     End If
814     rsTables.MoveNext
815     Loop
816     rsTools.Edit
817     rsTools!dataAvailable = enableTool
818     rsTools.Update
819 End If
820 rsTools.MoveNext
821 Loop
822 rsTools.Close
823 rsTables.Close
824 rsLdbDef.Close
825
826 xxx = taFlushTalData()
827 xxx = lsReinitialize()
828 xxx = twInitVars()
829 End Function
830
831 Function ldSetDateRanges (rsLdbDef As Recordset, rsTabs As Recordset)
832     '*** Note that if there is a valid data range, there should always
833     '*** be a start date specified, and it should always be used to limit
transaction
834     '*** that are downloaded because of the sparse data that is available
835     '*** at the beginning if you go only by the first pipe date
836     Dim db As Database
837     Dim rsAvail As Recordset
838     Dim tabStart, tabEnd, limitEnd%
839     Dim s1$, s2$
840
841     Set db = DBEngine(0)(0)
842
843     rsTabs.MoveFirst
844
845     Do Until rsTabs.eof
846
847         '*** Determine Available Date Range
848         s1 = "SELECT DISTINCTROW Min(availDate) AS start, Max(availDate) AS end"
849         s2 = " FROM qry_ldAvailDates" & rsTabs!TableName
850         Set rsAvail = db.OpenRecordset(s1 & s2, DB_OPEN_DYNASET)
851
852
853         '*** Determine Date Range To Download
854         If IsNull(rsAvail!start) Then
855             tabStart = Null
856             tabEnd = Null
857             limitEnd = False
858         Else
859
860             Select Case rsLdbDef!ldEndingType
```

```
861         Case ET_LATEST_DATA
862             tabEnd = rsAvail!End
863         Case ET_TODAY
864             tabEnd = Date
865         Case ET_DATE
866             tabEnd = rsLdbDef!ldEndingDate
867     End Select
868
869     tabStart = DateAdd("m", -rsLdbDef!ldMonths, tabEnd)
870     If Not IsNull(rsLdbDef!ldStartingDate) Then
871         tabStart = guMax(tabStart, rsLdbDef!ldStartingDate)
872     End If
873     tabStart = guMax(tabStart, rsAvail!start)
874     tabEnd = guMin(tabEnd, rsAvail!End)
875     If tabStart > tabEnd Then
876         tabStart = Null
877         tabEnd = Null
878         limitEnd = False
879     Else
880         limitEnd = (rsAvail!End > tabEnd)
881     End If
882 End If
883
884 rsTabs.Edit
885 rsTabs!StartDate = tabStart
886 rsTabs!EndDate = tabEnd
887 rsTabs!limitEnd = limitEnd
888 rsTabs.Update
889
890 rsAvail.Close
891 rsTabs.MoveNext
892 Loop
893
894 End Function
895
896 Function ldTransLimitText$ ()
897     Dim db As Database, rs As Recordset
898     Dim s$
899     Dim t$
900
901     s = "SELECT DISTINCTROW tblLauxLdbDefs.* FROM tblLauxLdbDefs"
902     s = s & " WHERE (ldIndex=" & modCurrentLdbId & ");"
903     Set db = DBEngine(0) (0)
904     Set rs = db.OpenRecordset(s, DB_OPEN_DYNASET)
905
906     If rs.eof Then
907         ldTransLimitText = "Undefined LDB"
908         rs.Close
909         Exit Function
910     End If
911
```

```
912     t = rs!ldMonths & " Month(s) "
913
914     Select Case rs!ldEndingType
915         Case ET_LATEST_DATA
916             t = t & "of the Most Recent Data" & guCRLF()
917         Case ET_TODAY
918             t = t & "From Today" & guCRLF()
919         Case ET_DATE
920             t = t & "Ending on " & Format(rs!ldEndingDate, "m/d/yy") & guCRLF()
921     End Select
922
923     If Not IsNull(rs!ldStartingDate) Then
924         t = t & "No Earlier than " & Format(rs!ldStartingDate, "m/d/yy") &
guCRLF()
925     End If
926
927
928     If Not IsNull(rs!ldTransSource) Then
929         t = t & "Transaction Source "
930         Select Case rs!ldTransSourceType
931             Case SR_SRAN
932                 t = t & "SRAN = ""
933             Case SR_REGION
934                 t = t & "Region = ""
935         End Select
936         t = t & rs!ldTransSource & ""
937     End If
938
939     rs.Close
940     ldTransLimitText = t
941
942 End Function
943
944 Function ldUpdateAdd (rsLdbDef As Recordset, rsTabs As Recordset, niinLimited%,
sranLimited%)
945
946 End Function
947
948 Function ldUpdateAllLdbs (forceUpdate%)
949     Dim m$
950     Dim lastCheck
951     Dim ldbCount%, numOfLdbs%
952     Dim s$
953     Dim db As Database, rs As Recordset
954     Dim changed%
955
956     If DFirst("Not CdbEnabled", "tblStaticVars") Then
957         m = "A central database has not been specified."
958         m = m & " Thus, local databases cannot be updated."
959         MsgBox m, MB_ICONINFORMATION, "Update Databases"
960         Exit Function
```



```
961     End If
962
963     If DFirst("FirstRun", "tblStaticVars") And DFirst("CdbEnabled",
"tblStaticVars") Then
964         s = "UPDATE DISTINCTROW tblStaticVars SET deCdbInitialized = TRUE"
965         DoCmd SetWarnings False
966         DoCmd RunSQL s
967         DoCmd SetWarnings True
968     End If
969     '*** Check to see the CDB has been checked already today or since last LDB
edit
970     If Not forceUpdate Or DFirst("Not deCdbInitialized", "tblStaticVars") Then
971         lastCheck = DMin("ldLastCdbCheck", "tblLauxLdbDefs", "NOT ldNoUpdates")
972         If DateDiff("d", lastCheck, Date) = 0 And DCount("?", "tblLauxLdbDefs",
"ldLastCdbCheck is NULL") = 0 Then
973             guFlashMsg "Local DBs Are Up-To-Date"
974             Exit Function
975         End If
976     End If
977
978     If Not ldAttachToCdb() Then
979         Exit Function
980     End If
981
982     guStatusMsg "Updating All Local DBs . . ."
983     guStatusPct 0
984
985     xxx = ldUpdateLauxTables()
986
987
988     Set db = DBEngine(0)(0)
989     s = "SELECT DISTINCTROW ldIndex, ldName FROM tblLauxLdbDefs"
990     s = s & " WHERE (ldNoUpdates=False);"
991     Set rs = db.OpenRecordset(s, DB_OPEN_SNAPSHOT)
992     If rs.eof Then
993         numOfLdb = 0
994     Else
995         rs.MoveLast
996         numOfLdb = rs.recordcount
997         rs.MoveFirst
998     End If
999     ldbCount = 0
1000
1001     changed = False
1002     Do Until rs.eof
1003         guStatusPct (ldbCount + 1) / (numOfLdb + 1) 'Count Updating of Laux
Tables as 1
1004         changed = changed Or ldUpdateOneLdb((rs!ldIndex), False)
1005         ldbCount = ldbCount + 1
1006         rs.MoveNext
1007     Loop
1008     xxx = ldReleaseCdb()
```

```
1009     xxx = ldAttachToLdb(0)
1010
1011     guStatusClose
1012
1013     If changed Then
1014         guFlashMsg "Database Updates Complete"
1015     Else
1016         guFlashMsg "No Database Updates Needed"
1017     End If
1018
1019
1020 End Function
1021
1022 Function ldUpdateBuild (rsLdbDef As Recordset, rsTabs As Recordset,
niinLimited%, sranLimited%)
1023     Dim s1$, s2$, s3$, s4$, s5$, s6$
1024     Dim cdbTable$
1025
1026     DoCmd SetWarnings False
1027
1028     '*** Build NSN Tables
1029     s1 = "INSERT INTO tblLdbNsnData SELECT DISTINCTROW tblLauxNsnData.*"
1030     s2 = " FROM tblLauxNsnData"
1031     If niinLimited Then
1032         s3 = " INNER JOIN tblTemp_ldUpdatedNiins"
1033         s3 = s3 & " ON tblLauxNsnData.niin = tblTemp_ldUpdatedNiins.Niin;"
1034     Else
1035         s3 = ";"
1036     End If
1037     DoCmd RunSQL s1 & s2 & s3
1038
1039     s1 = "INSERT INTO tblLdbSgmData SELECT DISTINCTROW tblLauxSgmData.*"
1040     s2 = " FROM tblLauxSgmData"
1041     If niinLimited Then
1042         s3 = " INNER JOIN tblTemp_ldUpdatedNiins"
1043         s3 = s3 & " ON tblLauxSgmData.niin = tblTemp_ldUpdatedNiins.Niin;"
1044     Else
1045         s3 = ";"
1046     End If
1047     DoCmd RunSQL s1 & s2 & s3
1048
1049
1050     '*** Build SRAN Tables
1051     s1 = "INSERT INTO tblLdbSrans SELECT DISTINCTROW tblLauxSrans.*"
1052     s2 = " FROM tblLauxSrans"
1053     If sranLimited Then
1054         s3 = " INNER JOIN tblTemp_ldUpdatedSrans"
1055         s3 = s3 & " ON tblLauxSrans.Sran = tblTemp_ldUpdatedSrans.Sran;"
1056     Else
1057         s3 = ";"
1058     End If
```

```
1059 DoCmd RunSQL s1 & s2 & s3
1060
1061 s1 = "INSERT INTO tblLdbBases SELECT DISTINCTROW tblLauxBases.*"
1062 s2 = " FROM tblLauxBases"
1063 If sranLimited Then
1064     s3 = " INNER JOIN tblTemp_ldUpdatedSrans"
1065     s3 = s3 & " ON tblLauxBases.Base_Name = "
1066     s3 = s3 & tblTemp_ldUpdatedSrans.Base_Name;"
1067 Else
1068     s3 = ";"
1069 End If
1070 DoCmd RunSQL s1 & s2 & s3
1071
1072 '*** Build History Tables
1073 rsTabs.MoveFirst
1074 Do Until rsTabs.eof
1075     cdbTable = "tblCdb" & rsTabs!TableName
1076     If rsLdbDef("Get" & rsTabs!TableName) And Not IsNull(rsTabs!StartDate)
1077     Then
1078         s1 = "INSERT INTO tblLdb" & rsTabs!TableName
1079         s2 = " SELECT DISTINCTROW " & cdbTable & ".* FROM (" & cdbTable
1080         If niinLimited And Not IsNull(rsTabs!NiinField) Then
1081             s3 = " INNER JOIN tblTemp_ldUpdatedNiins ON "
1082             s3 = s3 & cdbTable & "." & rsTabs!NiinField & " = "
1083             s3 = s3 & tblTemp_ldUpdatedNiins.Niin)"
1084         Else
1085             s3 = ")"
1086         End If
1087         If sranLimited And Not IsNull(rsTabs!SranField) Then
1088             s4 = " INNER JOIN tblTemp_ldUpdatedSrans ON "
1089             s4 = s4 & cdbTable & "." & rsTabs!SranField & " = "
1090             s4 = s4 & tblTemp_ldUpdatedSrans.Sran)"
1091         Else
1092             s4 = ")"
1093         End If
1094         s5 = " WHERE (" & cdbTable & "." & rsTabs!DateField & ">=#" &
1095         rsTabs!StartDate & "#)"
1096         If rsTabs!limitEnd Then
1097             s6 = " And " & cdbTable & "." & rsTabs!DateField & "<=#" &
1098             rsTabs!EndDate & "#);"
1099         Else
1100             s6 = ");"
1101         End If
1102         DoCmd RunSQL s1 & s2 & s3 & s4 & s5 & s6
1103     End If
1104
1105 '*** Update the LDB Date Status
1106 rsLdbDef.Edit
1107 rsLdbDef(rsTabs!TableName & "Start") = rsTabs!StartDate
1108 rsLdbDef(rsTabs!TableName & "End") = rsTabs!EndDate
```

```
1105         rsLdbDef.Update
1106
1107         rsTabs.MoveNext
1108     Loop
1109
1110     DoCmd SetWarnings True
1111
1112
1113 End Function
1114
1115 Function ldUpdateDelete (rsLdbDef As Recordset, rsTabs As Recordset,
niinLimited%, sranLimited%)
1116     Dim s1$, s2$, s3$, s4$
1117     Dim tname$
1118
1119     DoCmd SetWarnings False
1120
1121     '*** Remove NSNs
1122     If niinLimited Then
1123         rsTabs.MoveFirst
1124         Do Until rsTabs.eof
1125             If Not IsNull(rsTabs!NiinField) Then
1126                 tname = "tblLdb" & rsTabs!TableName
1127                 s1 = "DELETE DISTINCTROW " & tname & ".*"
1128                 s2 = " FROM " & tname & " INNER JOIN tblTemp_ldNiinsDelete"
1129                 s3 = " ON " & tname & "." & rsTabs!NiinField
1130                 s4 = " = tblTemp_ldNiinsDelete.Niin;"
1131                 DoCmd RunSQL s1 & s2 & s3 & s4
1132             End If
1133             rsTabs.MoveNext
1134         Loop
1135
1136         s1 = "DELETE DISTINCTROW tblLdbNsnData.*"
1137         s2 = " FROM tblTemp_ldNiinsDelete INNER JOIN tblLdbNsnData"
1138         s3 = " ON tblTemp_ldNiinsDelete.Niin = tblLdbNsnData.NIIN;"
1139         DoCmd RunSQL s1 & s2 & s3
1140
1141         s1 = "DELETE DISTINCTROW tblLdbSgmData.*"
1142         s2 = " FROM tblTemp_ldNiinsDelete INNER JOIN tblLdbSgmData"
1143         s3 = " ON tblTemp_ldNiinsDelete.Niin = tblLdbSgmData.NIIN;"
1144         DoCmd RunSQL s1 & s2 & s3
1145     End If
1146
1147     '*** Remove SRANs
1148     If sranLimited Then
1149         rsTabs.MoveFirst
1150         Do Until rsTabs.eof
1151             If Not IsNull(rsTabs!SranField) Then
1152                 tname = "tblLdb" & rsTabs!TableName
1153                 s1 = "DELETE DISTINCTROW " & tname & ".*"
1154                 s2 = " FROM " & tname & " INNER JOIN tblTemp_ldSransDelete"
```

```
1155         s3 = " ON " & tname & "." & rsTabs!SranField
1156         s4 = " = tblTemp_ldSransDelete.Sran;"
1157         DoCmd RunSQL s1 & s2 & s3 & s4
1158     End If
1159     rsTabs.MoveNext
1160 Loop
1161
1162     s1 = "DELETE DISTINCTROW tblLdbSrans.*"
1163     s2 = " FROM tblTemp_ldSransDelete INNER JOIN tblLdbSrans"
1164     s3 = " ON tblTemp_ldSransDelete.Sran = tblLdbSrans.Sran;"
1165     DoCmd RunSQL s1 & s2 & s3
1166
1167     DoCmd OpenQuery "qry_ldRemoveUnusedBases"
1168 End If
1169
1170
1171 '*** Remove Deleted Records
1172 rsTabs.MoveFirst
1173 Do Until rsTabs.eof
1174     tname = "tblCdb" & rsTabs!TableName & "Del"
1175
1176     'THIS IS NOT RIGHT YET
1177     If Not IsNull(rsTabs!SranField) Then
1178         s1 = "DELETE DISTINCTROW " & tname & ".*"
1179         s2 = " FROM " & tname & " INNER JOIN tblTemp_ldSransDelete"
1180         s3 = " ON " & tname & "." & rsTabs!SranField
1181         s4 = " = tblTemp_ldSransDelete.Niin;"
1182         DoCmd RunSQL s1 & s2 & s3 & s4
1183     End If
1184     rsTabs.MoveNext
1185 Loop
1186
1187
1188     'ldMergeTableDelete(sqlForDelRecs$, destTable$
1189
1190
1191     DoCmd SetWarnings True
1192
1193
1194 End Function
1195
1196 Function ldUpdateExcludeIcons (f As Form)
1197     Dim exclude$
1198
1199     exclude = DFirst("ExcludeTrans", "tblStaticVars")
1200     flblExcludeIcon1.visible = exclude
1201     flblExcludeIcon2.visible = exclude
1202
1203 End Function
1204
1205 Function ldUpdateLauxTables ()
```

```
1206 Dim db As Database, rsLaux As Recordset, rsCdb As Recordset
1207 Dim s$
1208 Dim cdbName$, lauxName$
1209 Dim lastUpdate
1210 Dim rebuild, merge
1211
1212
1213 Set db = DBEngine(0) (0)
1214 Set rsLaux = db.OpenRecordset("tblLauxUpdateInfo", DB_OPEN_DYNASET)
1215 Set rsCdb = db.OpenRecordset("tblCentralDBInfo", DB_OPEN_SNAPSHOT)
1216
1217 Do While Not rsLaux.eof
1218     cdbName = "tblCdb" & rsLaux!TableName
1219     lauxName = "tblLaux" & rsLaux!TableName
1220     rsCdb.FindFirst "TableName='" & cdbName & "'"
1221
1222
1223     rebuild = IsNull(rsLaux!Last_Rebuild) Or rsLaux!Last_Rebuild <
rsCdb!Last_Rebuild
1224     merge = Not IsNull(rsCdb!Last_Update) And (IsNull(rsLaux!Last_Update)
Or rsLaux!Last_Update < rsCdb!Last_Update)
1225
1226     '*** Although I distinguish here whether a rebuild or an update (merge)
is needed,
1227     '*** I have disabled the merge, and now handle them both the same--a
complete overwrite
1228     If rebuild Or merge Then
1229
1230         '*** Rebuild Table
1231         xxx = guFlushTable(lauxName, True)
1232         s = "INSERT INTO " & lauxName & " SELECT DISTINCTROW " & cdbName &
".*"
1233         s = s & " FROM " & cdbName
1234         DoCmd SetWarnings False
1235         DoCmd RunSQL s
1236         DoCmd SetWarnings True
1237         rsLaux.Edit
1238         rsLaux!Last_Rebuild = rsCdb!Last_Rebuild
1239         rsLaux!Last_Update = rsCdb!Last_Update
1240         rsLaux.Update
1241
1242         '*** This is slightly more roundabout than it could be because I have
1243         '*** not made any assumptions about whether the SAP sets the
Last_Update
1244         '*** to NULL when it does a rebuild, or if it sets it to Last_Rebuild
1245         ElseIf merge Then
1246             If IsNull(rsLaux!Last_Update) Then
1247                 lastUpdate = rsLaux!Last_Rebuild
1248             Else
1249                 lastUpdate = rsLaux!Last_Update
1250             End If
1251
```

```
1252         s = "SELECT DISTINCTROW * FROM " & cdbName & "Del"
1253         s = s & " WHERE Deletion_Date > #" & lastUpdate & "#"
1254         xxx = ldMergeTableDeleteXXX(s, lauxName)
1255
1256         s = "SELECT DISTINCTROW * FROM " & cdbName
1257         s = s & " WHERE Import_Date > #" & lastUpdate & "#"
1258         xxx = ldMergeTableAddXXX(s, lauxName)
1259
1260         rsLaux.Edit
1261         rsLaux!Last_Rebuild = rsCdb!Last_Rebuild
1262         rsLaux!Last_Update = rsCdb!Last_Update
1263         rsLaux.Update
1264
1265     End If
1266     rsLaux.MoveNext
1267
1268 Loop
1269
1270 '*** Enable the Database Editor
1271 s = "UPDATE DISTINCTROW tblStaticVars SET deCdbInitialized = TRUE"
1272 DoCmd SetWarnings False
1273 DoCmd RunSQL s
1274 DoCmd SetWarnings True
1275
1276
1277 End Function
1278
1279 Function ldUpdateLdbDisplay (f As Form)
1280     'Dim c As Control
1281
1282     'Set c = f!cboLdb
1283     'guSetCtlText c, modCurrentLdbId
1284
1285     f!txtLdbName = modName
1286
1287     xxx = ldUpdateExcludeIcons(f)
1288
1289 End Function
1290
1291 Function ldUpdateOneLdb% (ldbId%, reattachToCurrent%)
1292     '*** Returns TRUE if the data is modified
1293     Dim db As Database, rsLdbDef As Recordset, rsTabs As Recordset
1294     Dim s$
1295     Dim rebuild%, niinLimited%, sranLimited%
1296
1297
1298
1299     '*** Get LDB Defintion
1300     s = "SELECT DISTINCTROW tblLauxLdbDefs.* FROM tblLauxLdbDefs"
1301     s = s & " WHERE (ldIndex=" & ldbId & ");"
1302     Set db = DBEngine(0)(0)
```

```
1303     Set rsLdbDef = db.OpenRecordset(s, DB_OPEN_DYNASET)
1304
1305
1306     '*** Check to see if the CDB has changed Since the Last Update
1307     If rsLdbDef!ldLastCdbUpdate = modLastCdbUpdate Then
1308         ldUpdateOneLdb = False
1309
1310     '*** Update Ldb Data Tables
1311     ElseIf Not ldIsLdbDefValid(rsLdbDef) Then
1312         ldUpdateOneLdb = False
1313
1314     Else
1315         ldUpdateOneLdb = True
1316
1317         '*** Attach to LDB but only if not already attached
1318         If Not reattachToCurrent Or ldbId <> modCurrentLdbId Then
1319             xxx = ldAttachToLdb(ldbId)
1320         End If
1321
1322         '*** Rebuild If Necessary
1323         rebuild = IsNull(rsLdbDef!ldLastCdbUpdate)
1324         rebuild = True 'REMOVE THIS LINE WHEN FINISHED THE MERGE FUNCTIONS
1325
1326         '*** This is done so that any incomplection will result in a rebuild the
next time
1327         rsLdbDef.Edit
1328         rsLdbDef!ldLastCdbUpdate = Null
1329         rsLdbDef!ldLastCdbCheck = Null
1330         rsLdbDef.Update
1331
1332         Set rsTabs = db.OpenRecordset("tbl_ldHistTables", DB_OPEN_DYNASET)
1333
1334         If rebuild Then
1335             xxx = ldFlushLdbData(ldbId, False)
1336             s = "UPDATE DISTINCTROW tblLdbUpdateInfo"
1337             s = s & " SET Last_Update = Null, Last_Rebuild = Null;"
1338             DoCmd SetWarnings False
1339             DoCmd RunSQL s
1340             DoCmd SetWarnings True
1341
1342             rsLdbDef.Edit
1343             Do Until rsTabs.eof
1344                 rsLdbDef(rsTabs!TableName & "Start") = Null
1345                 rsLdbDef(rsTabs!TableName & "End") = Null
1346                 rsTabs.MoveNext
1347             Loop
1348             rsLdbDef.Update
1349         End If
1350
1351         '*** Generate New NIIN and SRAN Lists In Temp Tables
1352         niinLimited = ldGenerateNiinList(rsLdbDef)
```



```
1353      sranLimited = ldGenerateSranList(rsLdbDef)
1354
1355
1356      '*** Determine Available and Requested History
1357      xxx = ldSetDateRanges(rsLdbDef, rsTabs)
1358
1359
1360      If Not rebuild Then
1361          xxx = ldUpdateDelete(rsLdbDef, rsTabs, niinLimited, sranLimited)
1362          xxx = ldUpdateAdd(rsLdbDef, rsTabs, niinLimited, sranLimited)
1363      Else
1364          xxx = ldUpdateBuild(rsLdbDef, rsTabs, niinLimited, sranLimited)
1365      End If
1366
1367      rsTabs.Close
1368
1369      rsLdbDef.Edit
1370      rsLdbDef!ldLastCdbUpdate = modLastCdbUpdate
1371      rsLdbDef.Update
1372
1373
1374      '*** Update Attachments Before Leaving
1375      If ldbId = modCurrentLdbId Then
1376          '*** The following is to flush the temp data tables and to
1377          '*** reinitialize module permissions
1378          xxx = ldSetCurrentLdb(modCurrentLdbId)
1379      ElseIf reattachToCurrent Then
1380          xxx = ldAttachToLdb(0)
1381      End If
1382
1383
1384      End If
1385
1386      rsLdbDef.Edit
1387      rsLdbDef!ldLastCdbCheck = Now
1388      rsLdbDef.Update
1389
1390
1391      rsLdbDef.Close
1392
1393      End Function
1394
```

#### User Permissions

admin  
Analyst  
God  
guest

Delete, Read Permissions, Set Permissions, Change Owner

ItemMgr  
SysOp

Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 1/23/96 9:12:08 PM  
Owner: God

Last Updated: 12/20/96 12:44:39 PM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4 Const BTN_SHIFT = 20 'Used to simulate a push button with a label
5
6 Global mmReturnToMenu%
7
8 Dim modInitialized%
9 Dim modBtnFocus%
10 Dim modNotQuit%
11
12 '*** Main Menu Modes
13 Const MM_RESUPPLY = 0
14 Const MM_SHOP = 1
15 Const MM_SYSTEM = 2
16 Const MM_UTILS = 3
17 Dim modMenuModeString(4) As String
18 Dim modMenuModeAbbrev(4) As String
19
20
21 Dim modMenuMode%
22
23 Function guMouseOverCtl% (ctl As Control, x As Single, y As Single) 'Returns
boolean
24     guMouseOverCtl = False
25     If x < ctl.left Then
26         Exit Function
27     End If
28     If x > (ctl.left + ctl.width) Then
29         Exit Function
30     End If
31     If y < ctl.top Then
32         Exit Function
33     End If
34     If y > (ctl.top + ctl.height) Then
35         Exit Function
36     End If
37     guMouseOverCtl = True
38 End Function
39
40 Function mmAbbrevToMode% (abbrev$)
```

```
41     Dim i%
42
43     i = 0
44     Do Until modMenuModeAbbrev(i) = abbrev
45         i = i + 1
46     Loop
47     mmAbbrevToMode = i
48 End Function
49
50 Function mmButtonDown (idx%) 'No return
51     Dim ctl As Control
52
53     Set ctl = screen.activeform("txtMenuButton" & idx)
54
55     If ctl.SpecialEffect <> 2 Then
56         ctl.SpecialEffect = 2 'Sunken
57         ctl.top = ctl.top + BTN_SHIFT
58         ctl.left = ctl.left + BTN_SHIFT
59     End If
60
61     screen.activeform.Repaint
62 End Function
63
64 Function mmButtonUp (idx%)
65     Dim ctl As Control
66     Dim toolId%, crit$
67
68     Set ctl = screen.activeform("txtMenuButton" & idx)
69     modNotQuit = False
70
71     If ctl.SpecialEffect <> 2 Then 'Sunken
72         Exit Function
73     End If
74
75     ctl.SpecialEffect = 1 'Raised
76     ctl.top = ctl.top - BTN_SHIFT
77     ctl.left = ctl.left - BTN_SHIFT
78
79     screen.activeform.Repaint
80
81     crit = "MenuMode='" & modMenuModeAbbrev(modMenuMode) & "' AND menuIndex=" &
idx
82     toolId = DLookup("id", "tblToolNames", crit)
83     xxx = mmRunTool(toolId)
84     modNotQuit = True
85
86 End Function
87
88 Function mmCdbSetupPopupOpenEvent ()
89     Dim f As Form
90     Set f = forms!frm_mmCdbSetupPopup
```

```
91
92     f!txtCdbDir = ldGetCdbDirectory()
93
94
95 End Function
96
97 Function mmChangeCdbDir ()
98     Dim f As Form
99     Dim s$
100    Dim m$
101
102    Set f = forms!frm_mmControlPanelPopup
103
104    xxx = ldSetCdbDirectory(f!txtCdbDir)
105    f!txtCdbDir = ldGetCdbDirectory()
106
107    s = "UPDATE DISTINCTROW tblStaticVars"
108    s = s & " SET deCdbInitialized = No;"
109    DoCmd SetWarnings False
110    DoCmd RunSQL s
111    DoCmd SetWarnings True
112
113
114    m = "You have changed the CDB directory specification. A database update"
115    m = m & " will be required before database editing will be allowed."
116    MsgBox m, MB_ICONINFORMATION, "CDB Directory Change"
117
118
119
120 End Function
121
122 Function mmChangeLdb ()
123     xxx = ldSetCurrentLdb((forms(mmCurrentFormName())!cboLdb))
124 End Function
125
126 Function mmClickCdbSetupPopupCancel ()
127     DoCmd Close A_FORM, "frm_mmCdbSetupPopup"
128
129 End Function
130
131 Function mmClickCdbSetupPopupOk ()
132     Dim f As Form
133     Dim s$
134
135     Set f = forms!frm_mmCdbSetupPopup
136
137     xxx = ldSetCdbDirectory(f!txtCdbDir)
138
139     DoCmd Close A_FORM, "frm_mmCdbSetupPopup"
140
141     s = "UPDATE DISTINCTROW tblStaticVars"
```

```
142      s = s & " SET CdbEnabled = Yes;"
143      DoCmd SetWarnings False
144      DoCmd RunSQL s
145      DoCmd SetWarnings True
146
147
148 End Function
149
150 Function mmClickControlPanel ()
151     DoCmd OpenForm "frm_mmControlPanelPopup", , , , A_DIALOG
152 End Function
153
154 Function mmClickControlPanelPopupCancelXXX ()
155     DoCmd Close A_FORM, "frm_mmControlPanelPopup"
156
157 End Function
158
159 Function mmClickControlPanelPopupOk ()
160     Dim f As Form
161
162     DoCmd Close A_FORM, "frm_mmControlPanelPopup"
163
164     Set f = forms(mmCurrentFormName())
165     xxx = ldUpdateExcludeIcons(f)
166
167
168 End Function
169
170 Function mmClickExit ()
171     xxx = mmQuit()
172
173 End Function
174
175 Function mmClickRebuildLdbs ()
176     Dim cdbDir$
177     Dim m$
178     Dim f As Form
179
180
181     m = "This will flush any existing data in all of the LDBs and will rebuild"
182     m = m & " them from scratch."
183     m = m & " This is not normally required and could take a while."
184     m = m & vbCrLf & "Do you want to continue?"
185     If IDYES <> MsgBox(m, MB_ICONQUESTION + MB_YESNO, "Rebuild All LDBs") Then
186         Exit Function
187     End If
188
189     '*** Update the CDB directory in case that has changed
190     '*** The set/get is so that any automatic editing is performed
191
192     Set f = forms!frm_mmControlPanelPopup
```

```
193     xxx = ldSetCdbDirectory(f!txtCdbDir)
194     f!txtCdbDir = ldGetCdbDirectory()
195
196     xxx = ldRebuildAllLdbs()
197
198
199 End Function
200
201 Function mmClickResupplyMetrics ()
202     Dim cfn$
203
204     If modMenuMode = MM_RESUPPLY Then
205         Exit Function
206     End If
207
208     xxx = guEchoSet(False)
209     modNotQuit = False
210     cfn = mmCurrentFormName()
211     modMenuMode = MM_RESUPPLY
212     xxx = mmShowMenu(Null)
213
214     DoCmd Close A_FORM, cfn
215     modNotQuit = True
216     xxx = guEchoSet(True)
217
218 End Function
219
220 Function mmClickShopMetrics ()
221     Dim cfn$
222
223     If modMenuMode = MM_SHOP Then
224         Exit Function
225     End If
226
227     xxx = guEchoSet(False)
228     modNotQuit = False
229     cfn = mmCurrentFormName()
230     modMenuMode = MM_SHOP
231     xxx = mmShowMenu(Null)
232
233     DoCmd Close A_FORM, cfn
234     modNotQuit = True
235     xxx = guEchoSet(True)
236
237 End Function
238
239 Function mmClickSystemMetrics ()
240     Dim cfn$
241
242     If modMenuMode = MM_SYSTEM Then
243         Exit Function
```

```
244     End If
245
246     xxx = guEchoSet(False)
247     modNotQuit = False
248     cfn = mmCurrentFormName()
249     modMenuMode = MM_SYSTEM
250     xxx = mmShowMenu(Null)
251
252     DoCmd Close A_FORM, cfn
253     modNotQuit = True
254     xxx = guEchoSet(True)
255
256
257 End Function
258
259 Function mmClickUpdateLdbs ()
260     Dim cdbDir$
261     Dim m$
262     Dim f As Form
263
264     '*** Update the CDB directory in case that has changed
265     '*** The set/get is so that any automatic editing is performed
266     Set f = forms!frm_mmControlPanelPopup
267     xxx = ldSetCdbDirectory(f!txtCdbDir)
268     f!txtCdbDir = ldGetCdbDirectory()
269
270     xxx = ldUpdateAllLdbs(True)
271
272
273 End Function
274
275 Function mmClickUtilities ()
276     Dim cfn$
277
278     If modMenuMode = MM_UTILS Then
279         Exit Function
280     End If
281
282     xxx = guEchoSet(False)
283     modNotQuit = False
284     cfn = mmCurrentFormName()
285     modMenuMode = MM_UTILS
286     xxx = mmShowMenu(Null)
287
288     DoCmd Close A_FORM, cfn
289     modNotQuit = True
290     xxx = guEchoSet(True)
291
292 End Function
293
294 Function mmCloseEvent () 'No return value
```



```
295     If DEBUGGING Then
296         DoCmd ShowToolbar "Form View", A_TOOLBAR_WHERE_APPROP
297         DoCmd Restore
298     End If
299 End Function
300
301 Function mmControlPanelPopupOpenEvent ()
302     Dim f As Form
303     Set f = forms!frm_mmControlPanelPopup
304
305     'f!chkWelcome = DFirst("Welcome", "tblStaticVars")
306     'f!chkOnlyItemsWithTrans = DFirst("OnlyItemsWithTrans", "tblStaticVars")
307     'f!chkOnlySourcesWithTrans = DFirst("OnlySourcesWithTrans", "tblStaticVars")
308     'f!chkExcludeTrans = DFirst("ExcludeTrans", "tblStaticVars")
309
310     xxx = mmUpdateCdbCtls()
311     f!txtCdbDir = ldGetCdbDirectory()
312
313     'f!chkAutoUpdate = DFirst("AutoUpdate", "tblStaticVars")
314
315
316 End Function
317
318 Function mmCurrentFormName$ ()
319     mmCurrentFormName = "frm_mmPrimary" & modMenuModeString(modMenuMode)
320 End Function
321
322 Function mmFlushTempTables ()
323     Dim db As Database
324     Dim td As TableDef
325     Dim t%
326
327     Set db = dbEngine(0)(0)
328
329     DoCmd SetWarnings False
330     For t = 0 To db.TableDefs.count - 1
331         Set td = db.TableDefs(t)
332         If Left(td.name, 7) = "tblTemp" Then
333             DoCmd RunSQL "DELETE DISTINCTROW * FROM " & td.name
334             'xxx = guFlushTable((td.name), False)
335         End If
336     Next
337     DoCmd SetWarnings True
338
339 End Function
340
341 Function mmGetCsiVizModNumber ()
342     Dim ver, modNum
343     Dim verDate
344
345     ver = DLast("[Version]", "_tblModificationHistory", "[Version] is not null")
```

```
346     verDate = DFirst("[Date]", "_tblModificationHistory", "[Version] =" & ver
    & "'")
347     'modNum = DCount("*", "_tblModificationHistory", "[Date] >= #" & verDate &
    "#")
348     mmGetCsiVizModNumber = ver & "." & (modNum - 1)
349
350 End Function
351
352 Function mmGetCsiVizVersion ()
353     Dim SName$, KName$, Def$
354     Dim ret$
355     Dim size%
356     Dim fname$
357     Dim strLen%
358
359     ret = "12345678901234567890"
360     size = Len(ret)
361     fname = SysCmd(SYSCMD_INIFILE)
362     SName = "CSI Viz"
363     KName = "Version"
364     Def = "****"
365     strLen = GetPrivateProfileString(SName, KName, Def, ret, size, fname)
366
367     mmGetCsiVizVersion = Left(ret, strLen)
368
369 End Function
370
371 Function mmGetMenuModeAbbrev$ ()
372     mmGetMenuModeAbbrev = modMenuModeAbbrev(modMenuMode)
373 End Function
374
375 Function mmGetToolInfo (idx%, fieldName$)
376     mmGetToolInfo = DLookup(fieldName, "tblToolNames", "id =" & idx)
377 End Function
378
379 Function mmInitAll (initCheck%)
380     If initCheck And modInitialized Then
381         Exit Function
382     End If
383
384     modInitialized = True
385
386     xxx = guEchoReset().
387
388     modNotQuit = True
389     modMenuMode = MM_UTILS
390
391     modMenuModeString(MM_RESUPPLY) = "Resupply"
392     modMenuModeString(MM_SHOP) = "Shop"
393     modMenuModeString(MM_SYSTEM) = "System"
394     modMenuModeString(MM_UTILS) = "Utils"
```

```
395
396     modMenuModeAbbrev(MM_RESUPPLY) = "rsp"
397     modMenuModeAbbrev(MM_SHOP) = "shp"
398     modMenuModeAbbrev(MM_SYSTEM) = "sys"
399     modMenuModeAbbrev(MM_UTILS) = "utl"
400
401     xxx = guUpdateAttachments("tbl?db")
402
403     xxx = ldInitVars()
404     xxx = ldSetCurrentLdb(0)
405     xxx = twInitVars()
406     xxx = lsInitVars()
407     xxx = taInitVars()
408     xxx = auInitVars()
409     xxx = deInitVars()
410 End Function
411
412 Function mmInitButtonLabels ()
413     '*** this is only used during development if the labels change
414     Dim i%
415     Dim f As Form
416     Dim db As Database
417     Dim rs As Recordset
418
419     xxx = guEchoSet(False)
420
421     xxx = mmInitAll(False)
422
423     Set db = dbEngine(0)(0)
424     For modMenuMode = 0 To 3
425         DoCmd OpenForm mmCurrentFormName(), A_DESIGN
426         Set f = forms(mmCurrentFormName())
427
428         Set rs = db.OpenRecordset("qry_mmMenuList", DB_OPEN_DYNASET)
429         Do While Not rs.EOF
430             i = rs.menuIndex
431             f("txtMenuButton" & i).caption = " " & rs!longName
432             f("txtMenuButton" & i).BackColor = QBColor(QBC_WHITE)
433             If rs!installed Then
434                 f("txtMenuButton" & i).ForeColor = QBColor(QBC_BLACK)
435             Else
436                 f("txtMenuButton" & i).ForeColor = QBColor(QBC_GRAY)
437             End If
438             rs.MoveNext
439         Loop
440         f!description.caption = "<Description>"
441         rs.Close
442         DoCmd SetWarnings False
443         DoCmd Close A_FORM, mmCurrentFormName()
444         DoCmd SetWarnings True
445     Next
```

```
446
447     xxx = guEchoSet(True)
448
449
450     MsgBox "The Main Menu forms have been updated!"
451
452 End Function
453
454 Function mmLoadEvent ()
455
456     Dim b%, btnCount%
457     Dim f As Form
458
459     'DoCmd Maximize
460
461     'Set f = forms(mmCurrentFormName())
462
463     ''' Initialize button color
464     'btnCount = DCount("*", "qry_mmMenuList")
465     'For b = 1 To btnCount
466     '    f("txtMenuButton" & b).BackColor = QBColor(QBC_WHITE)
467     'Next
468     'f!description.caption = ""
469
470     'f!cboLdb = ldGetId()
471     'xxx = mmSetFocus(modBtnFocus)
472
473     'xxx = ldUpdateExcludeIcons(f)
474
475 End Function
476
477 Function mmOpenAbout ()
478     Dim f As Form
479
480     Set f = forms!frm_mmAboutPopup
481     f!txtLastMod = gblLastModified
482     f!txtVersion = mmGetCsiVizModNumber()
483
484 End Function
485
486 Function mmOpenEvent ()
487     Dim f As Form
488     Dim b%, btnCount%
489
490     'DoCmd Maximize
491     Set f = forms(mmCurrentFormName())
492     f!cboLdb = ldGetId()
493     xxx = ldUpdateExcludeIcons(f)
494
495     ''' Initialize button color
496     btnCount = DCount("*", "qry_mmMenuList")
```

```
497     For b = 1 To btnCount
498         f("txtMenuButton" & b).BackColor = QBColor(QBC_WHITE)
499     Next
500     f!description.caption = ""
501
502     xxx = mmSetFocus(modBtnFocus)
503
504 End Function
505
506 Function mmQuit ()
507     Dim s$
508
509     s = "Do you want to EXIT the program?"
510     If IDOK = MsgBox(s, MB_OKCANCEL + MB_ICONQUESTION, SHORT_TITLE) Then
511         If DEBUGGING Then
512             DoCmd Close A_FORM, screen.activeform.name
513             DoCmd Restore
514         End If
515         modNotQuit = False
516         DoCmd Quit
517     End If
518
519 End Function
520
521 Function mmResetOptions ()
522     Dim m$, s$
523     Dim f As Form
524
525     m = "This will reset all program and module options"
526     m = m & " to their default settings."
527     m = m & " This can be useful for training and"
528     m = m & " technical support."
529
530     m = m & " It will NOT affect your LDB definitions"
531     m = m & " or your transaction exclusions." & guCRLF()
532
533     m = m & "Continue?"
534     If IDYES <> MsgBox(m, MB_ICONQUESTION + MB_YESNO, "Reset Options") Then
535         Exit Function
536     End If
537     DoCmd SetWarnings False
538     DoCmd OpenQuery "qry_mmResetOptions"
539     DoCmd SetWarnings True
540
541     'DoCmd RunMacro "SetControlsToCsiViz"
542     xxx = guToolbarShow(False)
543
544     '*** Doesn't currently clear the exclusion flags
545     '*** This would hve to go through all the LDBs
546     'xxx = ldcClearExclusions()
547
```

```
548
549     If CurrentUser() = "God" Then
550         m = "Do you want to set the CDB directory to the default, and"
551         m = m & " write-protect the current LDBs in preparation"
552         m = m & " for a SW distribution?"
553         If IDYES = MsgBox(m, MB_ICONQUESTION + MB_YESNO, "Reset Options") Then
554
555             s = "UPDATE DISTINCTROW tblLauxLdbDefs"
556             s = s & " SET ldWriteProtect = Yes, ldNoUpdates = Yes,"
557             s = s & " ldLastCdbCheck = NULL, ldLastCdbUpdate = NULL;"
558             DoCmd SetWarnings False
559             DoCmd RunSQL s
560             DoCmd SetWarnings True
561
562             'xxx = ldSetCdbDirectory("f:\pacelean\")
563
564             s = "UPDATE DISTINCTROW tblStaticVars"
565             s = s & " SET deCdbInitialized = No;"
566             DoCmd SetWarnings False
567             DoCmd RunSQL s
568             DoCmd SetWarnings True
569
570
571         End If
572     End If
573
574     Set f = forms(mmCurrentFormName())
575     xxx = ldUpdateExcludeIcons(f)
576
577
578 End Function
579
580 Function mmRestartPgm ()
581     '*** Currently this is only called by CTL-i from AutoKeys macro
582     If CurrentUser() = "God" Then
583         DoCmd RunMacro "autoexec"
584     End If
585 End Function
586
587 Function mmRunTool (idx%)
588     Dim s$, m$
589     Dim oldForm$
590
591     If Not mmRunToolAvailable(idx) Then
592         Exit Function
593     End If
594
595     'guPerfMeterStart
596
597     Randomize
598     Select Case CInt(100 * Rnd)
```

```
599         Case 1
600             m = "Be right with you . . ."
601         Case 2
602             m = "One moment please . . ."
603         Case 3
604             m = "Please stand by . . ."
605         Case Else
606             m = "Initializing module . . ."
607     End Select
608
609     guStatusMsg m
610
611     xxx = guEchoSet(False)
612     oldForm = mmCurrentFormName()
613     DoCmd Close A_FORM, oldForm
614
615     If mmGetToolInfo(idx, "stdToolForms") Then
616         xxx = twOpenForm(idx)
617     Else
618         s = mmGetToolInfo(idx, "shortName")
619         If s = "ta" Then
620             xxx = taOpenForm()
621         ElseIf s = "au" Then
622             xxx = auOpenForm()
623         Else
624             DoCmd OpenForm "frm_" & s & "Primary"
625         End If
626     End If
627
628
629     guStatusClose
630     xxx = guEchoSet(True)
631     'DoEvents
632     'DoCmd Maximize
633
634     'guPerfMeterEnd
635 End Function
636
637 Function mmRunToolAvailablet (idxt)
638     'Returns true if the tool can be run
639     Dim s$, m$
640
641     If ldGetId() = 0 Then
642         If mmGetToolInfo(idx, "shortName") <> "de" Then
643             s = mmGetToolInfo(idx, "longName")
644             m = "A local database must be created before this module can be
run."
645             MsgBox m, MB_ICONEXCLAMATION, s & " Module"
646             mmRunToolAvailable = False
647             Exit Function
648         End If
```

```
649     End If
650
651     s = mmGetToolInfo(idx, "longName")
652     If Not mmGetToolInfo(idx, "installed") Then
653         MsgBox "This module is not currently available.", MB_ICONINFORMATION, s
654         & " Module"
655         mmRunToolAvailable = False
656         Exit Function
657     End If
658
659     If Not mmGetToolInfo(idx, "dataAvailable") Then
660         s = mmGetToolInfo(idx, "longName")
661         m = "The local database you have selected does not contain either the
662         data "
663         m = m & "or the data tables required to run this module."
664         MsgBox m, MB_ICONINFORMATION, s & " Module"
665         mmRunToolAvailable = False
666         Exit Function
667     End If
668     mmRunToolAvailable = True
669 End Function
670
671 Function mmRunToolFromMenubar (toolId%)
672     Dim cfn$
673
674     On Error GoTo NO_ACTIVE_FORM
675     cfn = screen.activeform.name
676     On Error GoTo 0
677
678     modNotQuit = False
679     If mmRunToolAvailable(toolId) Then
680         xxx = guEchoSet(False)
681         If cfn <> "frm_mmBackground" Then
682             On Error GoTo CANCEL_EVENT
683             DoCmd Close A_FORM, cfn
684             On Error GoTo 0
685         End If
686         xxx = mmRunTool(toolId)
687         xxx = guEchoSet(True)
688     End If
689     modNotQuit = True
690     Exit Function
691
692 NO_ACTIVE_FORM:
693     Exit Function
694
695 CANCEL_EVENT:
696     modNotQuit = True
697     xxx = guEchoSet(True)
698     Exit Function
```



```
698
699
700 End Function
701
702 Function mmSetControlsToAccess ()
703     Dim m$
704
705     If CurrentUser() = "SysOp" Then
706         m = "The application has not been designed for use with the"
707         m = m & " Microsoft Access controls. They are not required for"
708         m = m & " normal operations, but are available as a development"
709         m = m & " aid. Proceed at your own risk."
710         If IDOK = MsgBox(m, MB_ICONEXCLAMATION + MB_OKCANCEL, "MS Access
Controls") Then
711             DoCmd RunMacro "SetControlsToAccess"
712         End If
713     ElseIf CurrentUser() = "God" Then
714         DoCmd RunMacro "SetControlsToAccess"
715     Else
716         m = "These controls are available only to the System Operator."
717         MsgBox m, MB_ICONINFORMATION, "MS Access Controls"
718     End If
719
720 End Function
721
722 Function mmSetFocus (idx%) 'No Return
723     Dim f As Form
724     Dim crit$, toolId%
725
726     On Error GoTo FORGET_IT
727     Set f = forms(mmCurrentFormName())
728     On Error GoTo 0
729
730     f("txtMenuButton" & modBtnFocus).BackColor = QBColor(QBC_WHITE)
731     f("txtMenuButton" & idx).BackColor = QBColor(QBC_LTGREEN)
732
733     crit = "MenuMode='" & modMenuModeAbbrev(modMenuMode) & "' AND menuIndex=" &
idx
734     toolId = DLookup("id", "tblToolNames", crit)
735
736     f!description.caption = DLookup("description", "tblToolNames", "id =" &
toolId)
737
738     f.Repaint
739     modBtnFocus = idx
740     'DoEvents
741
742 FORGET_IT:
743     Exit Function
744
745 End Function
```

```
746
747 Function mmSetMenuBar ()
748     Application.MenuBar = "menu_std"
749 End Function
750
751 Function mmShowMenu (toolShortName)
752     Dim f As Form
753     Dim abbrev$
754
755     If Not IsNull(toolShortName) Then
756         abbrev = DLookup("MenuMode", "tblToolNames", "shortName='" &
toolShortName & "'")
757         modMenuMode = mmAbbrevToMode(abbrev)
758         modBtnFocus = DLookup("MenuIndex", "tblToolNames", "shortName='" &
toolShortName & "'")
759     Else
760         modBtnFocus = 1
761     End If
762
763     DoCmd OpenForm mmCurrentFormName()
764
765     DoCmd Maximize
766
767 End Function
768
769 Function mmStartPgm ()
770     Dim f As Form
771     Dim s$
772
773     xxx = guEchoReset()
774
775     gblVersion = DLast("version", "_tblModificationHistory", "version is not
null")
776     gblLastModified = DLast("date", "_tblModificationHistory")
777
778     SetWindowText GetAccessWindow(), SHORT_TITLE & " " & gblVersion
779
780     Application.SetOption "Show Status Bar", True
781     'If DEBUGGING Then
782     '    Application.MenuBar = ""
783     '    Application.SetOption "Built-In Toolbars Available", True
784     'Else
785     '    xxx = mmSetMenuBar()
786     '    Application.SetOption "Built-In Toolbars Available", False
787     'End If
788
789
790     '***** Put Up Logo Screen While Initializing
791     DoCmd OpenForm "frm_mmStartupNotify"
792     Set f = forms!frm_mmStartupNotify
793     f.Repaint
```

```
794
795     xxx = guEchoSet(False)
796
797     xxx = mmInitAll(False)
798
799     'guWait 2
800     DoCmd Close A_FORM, "frm_mmStartupNotify"
801
802     xxx = mmShowMenu(Null)
803     DoEvents
804     xxx = guEchoSet(True)
805
806     If DFirst("FirstRun", "tblStaticVars") Then
807         DoCmd OpenForm "frm_mmCdbSetupPopup", , , , A_DIALOG
808         DoEvents
809     End If
810
811     If DFirst("CdbEnabled", "tblStaticVars") Then
812         If DFirst("AutoUpdate or FirstRun or not deCdbInitialized",
813             "tblStaticVars") Then
814             xxx = ldUpdateAllLdbs(False)
815         Else
816             guFlashMsg "Auto Updates Are Disabled"
817         End If
818     Else
819         guFlashMsg "Central Database Not Used"
820     End If
821
822     If DFirst("Welcome and FirstRun", "tblStaticVars") Then
823         DoCmd OpenForm "frm_mmWelcome", , , , A_DIALOG
824     End If
825
826     '*** Update the Static Variables Table
827     s = "UPDATE DISTINCTROW tblStaticVars SET FirstRun = No;"
828     DoCmd SetWarnings False
829     DoCmd RunSQL s
830     DoCmd SetWarnings True
831
832
833
834 End Function
835
836 Function mmStartupOpen ()
837     Dim f As Form
838
839     Set f = forms!frm_mmStartupNotify
840     f!lblVersion.caption = gblVersion
841     f!lblModDate.caption = Format(gblLastModified, "d mm yy")
842
843 End Function
```

```
844
845 Function mmUnloadEvent ()
846     If modNotQuit Then
847         DoCmd CancelEvent
848         xxx = mmQuit()
849     End If
850 End Function
851
852 Function mmUpdateCdbCtrls ()
853     Dim f As Form
854     Dim enable%
855
856     Set f = forms!frm_mmControlPanelPopup
857
858     enable = f!chkCdbEnabled
859     xxx = guEnableEditing(f!chkAutoUpdate, enable, False)
860     xxx = guEnableEditing(f!txtCdbDir, enable, False)
861
862     f!btnUpdate.enabled = enable
863     f!btnRebuild.enabled = enable
864
865     If Not f!chkCdbEnabled Then
866         On Error Resume Next      'When first opens the window, this is not
available
867         f!deCdbInitialized = False
868         On Error GoTo 0
869     End If
870
871     f.Refresh
872
873
874 End Function
875
876 Function mmUserIsGod% ()
877     mmUserIsGod = IIf(CurrentUser() = "God", True, False)
878 End Function
879
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 1/23/96 9:12:08 PM  
Owner: God

Last Updated: 4/25/96 8:26:09 AM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4
5 Dim modCurrentNiin$
6
7 Function ndDisplaySgmPopup (niin$)
8     Dim sgm$
9
10    If niin = "" Then
11        Exit Function
12    End If
13
14    modCurrentNiin = niin
15    sgm = ndGetSgm()
16    modCurrentNiin = sgm
17    DoCmd OpenForm "frm_ndSgmPopup", , , , A_DIALOG
18
19 End Function
20
21 Function ndExtractNiin$ (nsn$)
22     ndExtractNiin = Mid(nsn, 5, 9)
23
24 End Function
25
26 Function ndGetCurrentNiin$ ()
27     ndGetCurrentNiin = modCurrentNiin
28 End Function
29
30 Function ndGetIsa$ ()
31     ndGetIsa = DLookup("[isa]", "tblLdbSgmData", "niin='" & ndGetSgm() & "'")
32 End Function
33
34 Function ndGetMgr ()
35     ndGetMgr = DLookup("[im]", "tblLdbSgmData", "niin='" & ndGetSgm() & "'")
36 End Function
37
38 Function ndGetNoun ()
39     ndGetNoun = DLookup("[noun]", "tblLdbSgmData", "niin='" & ndGetSgm() & "'")
40
41 End Function
```

```
42
43 Function ndGetNsn$ ()
44     ndGetNsn = DLookup("[fsc] & ' ' & [niin] & ' ' & [mmac]",
45         "tblLdbSgmData", "niin='" & ndGetSgm() & "'")
46 End Function
47
48 Function ndGetSgm$ ()
49     ndGetSgm = DLookup("[sgm]", "tblLdbNsnData", "niin='" & modCurrentNiin &
50         "'")
51 End Function
52
53 Function ndGetSor$ ()
54     ndGetSor = DLookup("[sor]", "tblLdbSgmData", "niin='" & ndGetSgm() & "'")
55 End Function
56
57 Function ndGetSos$ ()
58     ndGetSos = DLookup("[sos]", "tblLdbSgmData", "niin='" & ndGetSgm() & "'")
59 End Function
60
61 Function ndGetUnitCost ()
62     ndGetUnitCost = DLookup("[unitCost]", "tblLdbSgmData", "niin='" &
63         ndGetSgm() & "'")
64 End Function
65
66 Function ndNsnFromNiin$ (niin$)
67     ndNsnFromNiin = DLookup("[fsc] & ' ' & ' ' & niin & ' ' & ' ' & [mmac]",
68         "tblLdbSgmData", "niin='" & ndSgmFromNiin(niin) & "'")
69
70 End Function
71
72 Function ndPopupOk ()
73     DoCmd Close A_FORM, "frm_ndSgmPopup"
74 End Function
75
76 Function ndPopupOpen ()
77     Dim f As Form
78
79     'Set f = Forms!frm_ndSgmPopup
80     'f!txtNiin.visible = True
81     'f!txtNiin.SetFocus
82     'DoCmd FindRecord modCurrentNiin
83     'f!txtNsn.SetFocus
84     'f!txtNiin.visible = False
85
86 End Function
87
88 Function ndSetCurrentNiin (niin$)
89     modCurrentNiin = niin
90 End Function
91
92 Function ndSgmFromNiin$ (niin$)
93     ndSgmFromNiin = DLookup("[sgm]", "tblLdbNsnData", "niin='" & niin & "'")
```

90 End Function  
91

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions



Properties

Date Created: 1/23/96 9:12:08 PM  
Owner: God

Last Updated: 1/23/96 9:12:09 PM

Code

```
1 .....
2 '   Module:           PostEvent
3 '   Last Mod:         5/10/95   cdm
4 .....
5
6 Option Compare Database   'Use database order for string comparisons
7 Option Explicit
8
9 Dim peTimerForm As Form
10
11 Sub peClear ()
12     ''' This must called by any function that is posted
13     ''' This may be called when the function hasn't been posted
14     ''' but is called directly.
15     If peTimerFormValid() Then
16         peTimerForm.TimerInterval = 0
17         peTimerForm.OnTimer = ""
18     End If
19 End Sub
20
21 Sub pePostEvent (fcnName As String)
22     ''' Note that the function name string must have parentheses
23     If peTimerFormValid() Then
24         peTimerForm.OnTimer = "=" & fcnName
25         peTimerForm.TimerInterval = 1
26     Else
27         Dim msg As String
28         msg = "The function ""peSetTimerForm()"" must be called prior"
29         msg = msg & " to posting an event."
30         MsgBox msg, 0, "Programmer Error"
31     End If
32 End Sub
33
34 Sub peSetTimerForm (f As Form)
35     ''' Sets the form whose timer interrupt will be used to
36     ''' to simulate posting an event
37     Set peTimerForm = f
38 End Sub
39
40 Function peTimerFormValid () As Integer
41     ''' Internal module use only
```

```
42    ''' Checks to see if the peTimerForm variable has been set
43    ''' and if it is valid
44
45    Dim s As String
46    On Error GoTo NotValid
47    s = peTimerForm.name
48    peTimerFormValid = True
49    Exit Function
50
51 NotValid:
52    peTimerFormValid = False
53    Exit Function
54
55 End Function
56
```

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
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ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 4/25/96 9:35:57 AM  
Owner: God

Last Updated: 4/25/96 10:14:13 AM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4 Type cvDevModeStr
5     rgb As String * 68
6 End Type
7
8 Type cvDevMode
9     dmDeviceName As String * 32
10    dmSpecVersion As Integer
11    dmDriverVersion As Integer
12    dmSize As Integer
13    dmDriverExtra As Integer
14    dmFields As Long
15    dmOrientation As Integer
16    dmPaperSize As Integer
17    dmPaperLength As Integer
18    dmPaperWidth As Integer
19    dmScale As Integer
20    dmCopies As Integer
21    dmDefaultSource As Integer
22    dmPrintQuality As Integer
23    dmColor As Integer
24    dmDuplex As Integer
25    dmResolution As Integer
26    dmTTOption As Integer
27 End Type
28
29 Function prSetLandscape ()
30     Dim f As Form
31     Dim dm As cvDevMode
32     Dim dmStr As cvDevModeStr
33
34     Set f = forms!frm_mmPrimaryUtils
35     LSet dmStr.rgb = forms!frm_mmPrimaryUtils.PrtDevMode
36     LSet dm = dmStr
37
38     '*** Portrait=1, Landscape=2
39     dm.dmOrientation = 2
40
41     LSet dmStr = dm
```

```
42      forms!frm_mmPrimaryUtils.PrtDevMode = dmStr.rgb
43
44 End Function
45
```

**User Permissions**

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Analyst	
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ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

**Properties**

Date Created: 1/23/96 9:12:09 PM  
Owner: God

Last Updated: 1/23/96 9:12:09 PM

**Code**

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
```

**User Permissions**

admin	
Analyst	
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ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 8/8/96 7:37:16 AM  
Owner: God

Last Updated: 8/8/96 10:02:39 AM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4 Function spStatusMsg (m$)
5     guFlashMsg m
6 End Function
7
8 Function spTestReqInfoPopup ()
9     xxx = twDisplayReqInfoPopup("FB203761490548", "-")
10 End Function
11
```

User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 1/23/96 9:12:09 PM  
Owner: God

Last Updated: 12/6/96 10:54:36 PM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4
5 '*** Take-Action Modes
6 Const TAM_SUMMARY = 0
7 Const TAM_ITEM_DETAIL = 1
8 Dim modTamString(2) As String
9
10
11 Dim modCurrentNiin$
12 Dim modTakeActionMode%
13
14
15 '*** The following are used during the TAL calculations
16 Dim modTalGroupDays%
17 Dim modTalStartDate
18 Dim modTalSgm$
19 Dim modTalTimePeriods%
20
21 '*** The following are used during the breach check calculations
22 Dim modBreachStartDate
23
24
25 '*** The followig are used to check whether the TALs need to be recalculated
26 '*** and whether the breach test needs to be redone
27 Dim modNeedToResetTals%
28 Dim modNeedToRetestBreaches%
29
30 '*** This is needed to distinguish between a mouse click on a record and a form
    requery when
31 '*** in the Summary page. Both trigger OnCurrent events, but in the latter the
    modCurrentNiin
32 '*** would otherwise get reset to the first record
33 Dim modEnableNiinChange
34
35 Function taBreachCheck ()
36     Dim db As Database
37     Dim rsMetric As Recordset
38     Dim metricCount%, metricTotal%
39     Dim endDate
40     Dim daysOfData%
```

```
41     Dim i%
42     Dim fieldName$
43
44     metricTotal = DCount("*", "tbl_taMetricDefs", "installed and enableDaily")
45     metricTotal = metricTotal + DCount("*", "tbl_taMetricDefs", "installed and
enableWeekly")
46     metricTotal = metricTotal + DCount("*", "tbl_taMetricDefs", "installed and
enableMonthly")
47     metricCount = 0
48     guStatusMsg "Checking For TAL Breaches"
49
50     xxx = guFlushTable("tblTemp_taBreachData", True)
51
52     Set db = dbengine(0) (0)
53     Set rsMetric = db.OpenRecordset("tbl_taMetricDefs", DB_OPEN_SNAPSHOT,
DB_FORWARDONLY)
54
55     DoCmd SetWarnings False
56     Do Until rsMetric.eof
57         endDate = ldGetEndDate((rsMetric!sourceTable))
58         If rsMetric!installed And Not IsNull(endDate) Then
59
60             daysOfData = DateDiff("d", ldGetStartDate((rsMetric!sourceTable)),
endDate) + 1
61
62             For i = 1 To 3
63                 fieldName = Choose(i, "Daily", "Weekly", "Monthly")
64                 If rsMetric("enable" & fieldName) Then
65
66                     guStatusPct metricCount / metricTotal
67                     metricCount = metricCount + 1
68
69                     modTalGroupDays = Choose(i, 1, 7, 30)
70
71                     fieldName = Choose(i, "Days", "Weeks", "Months")
72                     modBreachStartDate = DateAdd("d", -modTalGroupDays *
rsMetric("check" & fieldName) + 1, endDate)
73
74                     DoCmd OpenQuery "qry_taBreachData" & rsMetric!name
75                     End If
76
77                 Next
78             End If
79             rsMetric.MoveNext
80     Loop
81     rsMetric.Close
82
83     DoCmd SetWarnings False
84     DoCmd OpenQuery "qry_taTriggersSaveLastUsed"
85     DoCmd SetWarnings True
86
87     xxx = taInitNiin()
```



```
88
89     guStatusClose
90
91
92 End Function
93
94 Function taBreachMessage (deferred%, breach%, metricDescription$, groupDays%,
95     direction%, restartDate, deferredBy$)
96
97     If Not breach Then
98         msg = "  -"
99     ElseIf deferred Then
100         msg = "Flag Disabled Until " & Format(restartDate, "m/d/yy") & " By " &
101     deferredBy
102     ElseIf metricDescription = "" Then
103         msg = "Changes in Multiple Metrics"
104     Else
105         If direction > 0 Then
106             msg = "High "
107         ElseIf direction < 0 Then
108             msg = "Low "
109         Else
110             msg = "High and Low "
111         End If
112         msg = msg & taGroupDaysText(groupDays)
113         msg = msg & metricDescription
114     End If
115     taBreachMessage = msg
116 End Function
117
118 Function taCalcTalDataStats (qtyFill%, avg As Single, stdDev As Single)
119
120     Dim db As Database
121     Dim rs As Recordset
122     Dim sum As Double, deltaSum As Double
123     Dim recCount%, t%
124     Dim lastValue As Single, value As Single
125     Dim lastTimeIndex%
126
127     Set db = dbengine(0)(0)
128     Set rs = db.OpenRecordset("qry_taTalDataForSqm", DB_OPEN_DYNASET,
129     DB_FORWARDONLY)
130
131     If rs.eof Then
132         avg = 0
133         stdDev = 0
134         rs.Close
135         Exit Function
136     End If
```

```
136
137     deltaSum = 0
138
139     If qtyFill Then
140         If rs!timeIndex = 0 Then
141             lastValue = rs!value
142             sum = rs!value
143             rs.MoveNext
144         Else
145             lastValue = 0
146             sum = 0
147         End If
148
149         For t = 1 To modTalTimePeriods - 1
150             If rs.eof Then
151                 value = 0
152             ElseIf rs.timeIndex = t Then
153                 value = rs!value
154                 rs.MoveNext
155             Else
156                 value = 0
157             End If
158             sum = sum + value
159             deltaSum = deltaSum + Abs(value - lastValue)
160             lastValue = value
161         Next
162         avg = sum / modTalTimePeriods
163         stdDev = deltaSum / (modTalTimePeriods * 1.128)
164     Else
165         recCount = 1
166         lastValue = rs!value
167         sum = rs!value
168         deltaSum = 0
169         rs.MoveNext
170         Do Until rs.eof
171             recCount = recCount + 1
172             sum = sum + rs!value
173             deltaSum = deltaSum + Abs(rs!value - lastValue)
174             lastValue = rs!value
175             rs.MoveNext
176         Loop
177         avg = sum / recCount
178         stdDev = deltaSum / (recCount * 1.128)
179     End If
180
181     rs.Close
182
183 End Function
184
185 Function taCalculateTals ()
186
```

```
187 Dim i%
188 Dim db As Database
189 Dim rsTals As Recordset
190 Dim rsMetric As Recordset
191 Dim rsDates As Recordset
192 Dim rsDateRange As Recordset
193 Dim rsSgm As Recordset
194 Dim endDate
195 Dim daysOfData%
196 Dim avg As Single, sd As Single
197 Dim fieldName$
198 Dim metricCount%, metricTotal%
199
200 metricTotal = DCount("?", "tbl_taMetricDefs", "installed and enableDaily")
201 metricTotal = metricTotal + DCount("?", "tbl_taMetricDefs", "installed and
enableWeekly")
202 metricTotal = metricTotal + DCount("?", "tbl_taMetricDefs", "installed and
enableMonthly")
203 metricCount = 0
204 guStatusMsg "Calculating Take-Action Lines"
205
206 xxx = guFlushTable("tblTemp_taTakeActionLines", True)
207 xxx = guFlushTable("tbl_taMetricDates", True)
208
209 Set db = dbengine(0)(0)
210 Set rsTals = db.OpenRecordset("tblTemp_taTakeActionLines", DB_OPEN_DYNASET)
211 Set rsMetric = db.OpenRecordset("tbl_taMetricDefs", DB_OPEN_SNAPSHOT,
DB_FORWARDONLY)
212 Set rsSgm = db.OpenRecordset("tblLdbSgmData", DB_OPEN_SNAPSHOT)
213 Set rsDates = db.OpenRecordset("tbl_taMetricDates", DB_OPEN_DYNASET)
214 Set rsDateRange = db.OpenRecordset("tbl_taDateRange", DB_OPEN_SNAPSHOT)
215
216 DoCmd SetWarnings False
217 Do Until rsMetric.eof
218
219     If Not (rsDateRange.BOF) Then
220         rsDateRange.MoveFirst
221         endDate = rsDateRange!endDate
222     Else
223         endDate = ldGetEndDate((rsMetric!sourceTable))
224     End If
225
226     If rsMetric!installed And Not IsNull(endDate) Then
227
228         If Not (rsDateRange.BOF) Then
229             rsDateRange.MoveFirst
230             daysOfData = DateDiff("d", rsDateRange!StartDate, endDate) + 1
231         Else
232             daysOfData = DateDiff("d",
ldGetStartDate((rsMetric!sourceTable)), endDate) + 1
233         End If
234
```

```

235 If daysOfData >= 30 * rsMetric!minHistoryMonths Then
236
237 If rsDateRange.BOF Then
238 daysOfData = guMin(daysOfData, 30 *
rsMetric!maxHistoryMonths)
239 End If
240
241 For i = 1 To 3
242 fieldName = Choose(i, "Daily", "Weekly", "Monthly")
243 If rsMetric("enable" & fieldName) Then
244
245 guStatusPct metricCount / metricTotal
246 metricCount = metricCount + 1
247
248 modTalGroupDays = Choose(i, 1, 7, 30)
249 modTalTimePeriods = daysOfData \ modTalGroupDays
250 modTalStartDate = DateAdd("d", -modTalGroupDays *
modTalTimePeriods + 1, endDate)
251 rsDates.AddNew
252 rsDates!index = rsMetric!index
253 rsDates!StartDate = modTalStartDate
254 rsDates!endDate = endDate
255 rsDates.Update
256
257 xxx = guFlushTable("tblTemp_taTalData", False)
258 DoCmd OpenQuery "qry_taSetTalData" & rsMetric!name
259
260 rsSgm.MoveFirst
261 Do Until rsSgm.eof
262
263 modTalSgm = rsSgm!niin
264 xxx = taCalcTalDataStats((rsMetric!qtyFill), avg,
sd)
265
266 rsTals.AddNew
267
268 rsTals!metricIndex = rsMetric!index
269 rsTals!sgm = modTalSgm
270 rsTals!groupDays = modTalGroupDays
271
272 rsTals!hiTal1 = avg + rsMetric!stdDev1 * sd
273 rsTals!loTal1 = avg - rsMetric!stdDev1 * sd
274 rsTals!hiTal2 = avg + rsMetric!stdDev2 * sd
275 rsTals!loTal2 = avg - rsMetric!stdDev2 * sd
276
277 rsTals.Update
278
279 rsSgm.MoveNext
280 Loop
281 End If
282

```

```
283         Next
284     End If
285 End If
286     rsMetric.MoveNext
287 Loop
288
289     xxx = guFlushTable("tbl_taDateRange", True)
290     rsTals.Close
291     rsSgm.Close
292     rsMetric.Close
293     rsDates.Close
294     rsDateRange.Close
295
296     guStatusClose
297 End Function
298
299 Function taChangeNiin ()
300     '*** This is an mouse event function
301
302     Dim f As Form
303
304     If Not modEnableNiinChange Then
305         Exit Function
306     End If
307
308     Set f = forms(taCurrentFormName())
309
310     If modTakeActionMode = TAM_ITEM_DETAIL Then
311         If f!cboNiin <> modCurrentNiin Then
312             modCurrentNiin = f!cboNiin
313             f.Requery
314             xxx = taUpdateDefermentData()
315         End If
316     Else
317         If Not IsNull(f!niin) Then
318             modCurrentNiin = f!niin
319         End If
320     End If
321
322 End Function
323
324 Function taClickAnalyze ()
325     Dim f As Form
326     Dim toolId%, toolOption%
327     Dim toolShortName$
328     Dim m$
329     Dim groupDay%
330
331     Set f = forms(taCurrentFormName())
332     toolShortName = DFirst("toolShortName", "tbl_taMetricDefs", "index=" &
f!metricIndex)
```

```
333
334     toolId = DFirst("id", "tblToolNames", "shortName=" & toolShortName & "")
335     toolOption = DFirst("toolOption", "tbl_taMetricDefs", "index=" &
336     f!metricIndex)
337
338     If Not mmGetToolInfo(toolId, "installed") Then
339         m = "The " & mmGetToolInfo(toolId, "longName") & " module is not
340         currently available."
341         MsgBox m, MB_ICONINFORMATION, "Take-Action Flag Analysis"
342         Exit Function
343     End If
344
345     groupDays = f!groupDays
346     xxx = guEchoSet(False)
347     DoCmd Close A_FORM, taCurrentFormName()
348     xxx = twOpenFormWithInit(toolId, modCurrentNiin, groupDays, toolOption)
349     xxx = guEchoSet(True)
350
351 End Function
352
353 Function taClickChangeOption ()
354     Dim f As Form
355
356     Set f = screen.activeForm
357     f!btnOk.SetFocus
358
359 End Function
360
361 Function taClickClearDeferments ()
362     Dim m$
363
364     m = "Clear all flag deferments?"
365     If IDOK <> MsgBox(m, MB_OKCANCEL + MB_ICONQUESTION, "Clear Take-Action
366     Deferments ") Then
367         Exit Function
368     End If
369
370     DoCmd SetWarnings False
371     DoCmd OpenQuery "qry_taDeleteAllDeferments"
372     DoCmd SetWarnings True
373
374     modEnableNiinChange = False
375     xxx = taInitNiin()
376     xxx = taInitForm()
377     modEnableNiinChange = True
378
379 End Function
380 Function taClickDefer ()
```

```
381     Dim m$
382
383     If IsNull(DFirst("sgm", "tbl_taFlagDeferments", "sgm=" & modCurrentNiin &
384         "'')) Then
385         DoCmd OpenForm "frm_taDeferPopup", , , , A_DIALOG
386     Else
387         'm = "Remove the flag deferment for this item?"
388         'If IDOK <> MsgBox(m, MB_OKCANCEL + MB_ICONQUESTION, "Defer Flags") Then
389             'Exit Function
390         'End If
391
392         DoCmd SetWarnings False
393         DoCmd OpenQuery "qry_taDeleteSgmDeferment"
394         DoCmd SetWarnings True
395         xxx = taUpdateDefermentData()
396     End If
397
398
399 End Function
400
401 Function taClickDeferPopupCancel ()
402     xxx = taUpdateDefermentData()
403     DoCmd Close A_FORM, "frm_taDeferPopup"
404
405 End Function
406
407 Function taClickDeferPopupOk ()
408     Dim f As Form
409     Dim db As Database
410     Dim rs As Recordset
411
412     Set f = forms!frm_taDeferPopup
413
414     If IsNull(f!txtDeferBy) Or f!txtDeferBy = "" Then
415         MsgBox "Your initials are required.", MB_ICONEXCLAMATION, "Invalid
416 Entry"
417         Exit Function
418     End If
419
420     If Len(f!txtDeferBy) > 6 Then
421         MsgBox "Your initials cannot be more than 6 characters.",
422 MB_ICONEXCLAMATION, "Invalid Entry"
423         Exit Function
424     End If
425
426     If IsNull(f!txtDeferReason) Or f!txtDeferReason = "" Then
427         MsgBox "A reason is required.", MB_ICONEXCLAMATION, "Invalid Entry"
428         Exit Function
429     End If
```

```
429     If Len(f!txtDeferReason) > 240 Then
430         MsgBox "The reason cannot be more than 240 characters.",
431             MB_ICONEXCLAMATION, "Invalid Entry"
432     End If
433
434
435
436     Set db = dbengine(0)(0)
437     Set rs = db.OpenRecordset("tbl_taFlagDeferments", DB_OPEN_DYNASET)
438
439     rs.AddNew
440     rs!sgm = modCurrentNiin
441     rs!person = f!txtDeferBy
442     rs!reason = f!txtDeferReason
443     rs!restartDate = DateAdd("d", f!optTimePeriod, Date)
444     rs.Update
445     rs.Close
446
447     DoCmd Close A_FORM, "frm_taDeferPopup"
448
449     modEnableNiinChange = False
450     xxx = taInitNiin()
451     xxx = taInitForm()
452     modEnableNiinChange = True
453
454
455 End Function
456
457 Function taClickExit ()
458     'DoCmd Close A_FORM, taCurrentFormName()
459     xxx = mmQuit()
460
461 End Function
462
463 Function taClickItemDetail ()
464     xxx = guEchoSet(False)
465     mmReturnToMenu = False
466
467     DoCmd Close A_FORM, taCurrentFormName()
468
469     modTakeActionMode = TAM_ITEM_DETAIL
470     DoCmd OpenForm taCurrentFormName()
471
472     xxx = guEchoSet(True)
473 End Function
474
475 Function taClickMenu ()
476     DoCmd Close A_FORM, taCurrentFormName()
477
478 End Function
```



```
479
480 Function taClickOptions ()
481     DoCmd OpenForm "frm_taOptionsPopup", , , , A_DIALOG
482 End Function
483
484 Function taClickOptionsPopupCancel ()
485     DoCmd Close A_FORM, "frm_taOptionsPopup"
486
487 End Function
488
489 Function taClickOptionsPopupOk ()
490     Dim f As Form
491     Dim db As Database
492     Dim rs As Recordset
493
494     Set f = forms!frm_taOptionsPopup
495
496     Set db = dbengine(0)(0)
497     Set rs = db.OpenRecordset("tblStaticVars", DB_OPEN_TABLE)
498     rs.Edit
499
500     Select Case f!optDisplayedItems
501         Case 1 'All Items
502             rs!taSummaryDisplayLevel = 0
503             rs!taSummaryDisplayDeferments = True
504
505         Case 2 'Only Items w/ Flags
506             rs!taSummaryDisplayLevel = 1
507             rs!taSummaryDisplayDeferments = False
508
509         Case 3 'Only Items w/ Critical Flags
510             rs!taSummaryDisplayLevel = 2
511             rs!taSummaryDisplayDeferments = False
512
513         Case 4 'Only Items w/ Flags or Deferment
514             rs!taSummaryDisplayLevel = 1
515             rs!taSummaryDisplayDeferments = True
516
517         Case 5 'Only Items w/ Critical Flags or Deferment
518             rs!taSummaryDisplayLevel = 2
519             rs!taSummaryDisplayDeferments = True
520     End Select
521
522     If f!optDisplayedFlags = 2 Then
523         rs!taItemDisplayAllFlags = False
524     Else
525         rs!taItemDisplayAllFlags = True
526     End If
527
528     rs!taDisplayTriggersPopup = f!chkDisplayTriggersPopup
529
```

```
530     rs.Update
531     rs.Close
532
533     DoCmd Close A_FORM, "frm_taOptionsPopup"
534
535     modEnableNiinChange = False
536     xxx = taInitNiin()
537     xxx = taInitForm()
538     modEnableNiinChange = True
539
540
541 End Function
542
543 Function taClickPrint ()
544     xxx = guPrint()
545 End Function
546
547 Function taClickSummary ()
548     xxx = guEchoSet(False)
549     mmReturnToMenu = False
550     DoCmd Close A_FORM, taCurrentFormName()
551     modTakeActionMode = TAM_SUMMARY
552     DoCmd OpenForm taCurrentFormName()
553
554     xxx = guEchoSet(True)
555
556 End Function
557
558 Function taClickTriggers ()
559     DoCmd Hourglass True
560     DoCmd SetWarnings False
561     DoCmd OpenQuery "qry_taTriggersSetToLastUsed"
562     DoCmd SetWarnings True
563
564     DoCmd OpenForm "frm_taTriggersPopup"
565     DoCmd Hourglass False
566
567 End Function
568
569 Function taClickTriggersPopupOk ()
570
571     DoCmd Close A_FORM, "frm_taTriggersPopup"
572     DoEvents
573
574     If taUpdateCheck(True) Then
575         modEnableNiinChange = False
576         xxx = taInitForm()
577         modEnableNiinChange = True
578     End If
579
580 End Function
```

```
581
582 Function taClickTriggersPopupReset (id%)
583     'Dim f As Form
584
585     'Set f = screen.activeForm
586     'If f.dirty Then
587         'f.Refresh
588     'End If
589
590     DoCmd SetWarnings False
591
592     Select Case id
593     Case 1
594         DoCmd OpenQuery "qry_taTriggersReset"
595     Case 2
596         DoCmd OpenQuery "qry_taTriggersResetBackup"
597     Case 3
598         DoCmd OpenQuery "qry_taTriggersResetOriginal"
599     End Select
600
601     DoCmd Close A_FORM, "frm_taTriggersDefaultPopup"
602     DoCmd SetWarnings True
603     screen.activeForm.Refresh
604
605 End Function
606
607 Function taClickTriggersPopupSave ()
608     Dim f As Form
609
610     DoCmd SetWarnings False
611     DoCmd Close A_FORM, "frm_taTriggersDefaultPopup"
612
613     Set f = screen.activeForm
614     If f.dirty Then
615         f.Refresh
616     End If
617
618     'DoCmd DoMenuItem A_FORMBAR, A_FILE, A_SAVEFORM, , A_MENU_VER20
619     DoCmd OpenQuery "qry_taTriggersSavePrev"
620     DoCmd OpenQuery "qry_taTriggersSave"
621     DoCmd SetWarnings True
622
623 End Function
624
625 Function taCreateBlankTalDataTable ()
626     Dim db As Database
627     Dim rs As Recordset
628     Dim i%
629
630     Set db = dbengine(0) (0)
631     Set rs = db.OpenRecordset("tbl_taBlankTalData", DB_OPEN_DYNASET)
```

```
632
633     For i = 0 To 2 * 365
634         rs.AddNew
635         rs!timeIndex = i
636         rs!value = 0
637         rs.Update
638     Next
639     rs.Close
640
641 End Function
642
643 Function taCurrentFormName ()
644     taCurrentFormName = "frm_taPrimary" & modTamString(modTakeActionMode)
645 End Function
646
647 Function taFlushTalData ()
648     xxx = guFlushTable("tblTemp_taBreachData", True)
649     xxx = guFlushTable("tblTemp_taTakeActionLines", True)
650
651     modNeedToResetTals = True
652     modNeedToRetestBreaches = True
653
654 End Function
655
656 Function taFormCloseEvent ()
657     If mmReturnToMenu Then
658         xxx = mmShowMenu("ta")
659     End If
660 End Function
661
662 Function taFormOpenEvent ()
663     Dim f As Form
664
665     xxx = mmInitAll(True)
666     mmReturnToMenu = True
667
668     modEnableNiinChange = False
669
670     Set f = forms(taCurrentFormName())
671     xxx = ldUpdateLdbDisplay(f)
672
673     xxx = taInitForm()
674
675     modEnableNiinChange = True
676
677 End Function
678
679 Function taGet1WeekStartDateXXX (tableName$)
680     taGet1WeekStartDateXXX = DateAdd("d", -6, ldGetEndDate(tableName))
681 End Function
682
```

```
683 Function taGetBreachStartDate ()
684     taGetBreachStartDate = modBreachStartDate
685 End Function
686
687 Function taGetCurrentNiin$ ()
688     taGetCurrentNiin = modCurrentNiin
689 End Function
690
691 Function taGetDisplayLevel ()
692     taGetDisplayLevel = DFirst("TakeActionDisplayLevel", "tblStaticVars")
693 End Function
694
695 Function taGetMetricIndex (metricName$)
696     taGetMetricIndex = DLookup("index", "tbl_taMetricDefs", "name='" &
metricName & "'")
697 End Function
698
699 Function taGetTalGroupDays ()
700     taGetTalGroupDays = modTalGroupDays
701 End Function
702
703 Function taGetTalSgm ()
704     taGetTalSgm = modTalSgm
705 End Function
706
707 Function taGetTalStartDate ()
708     taGetTalStartDate = modTalStartDate
709 End Function
710
711 Function taGetTalTimePeriodsXXX$ ()
712     taGetTalTimePeriodsXXX = modTalTimePeriods
713     taGetTalTimePeriodsXXX = 500
714 End Function
715
716 Function taGetTestIndexXXX (metricName$, testName$)
717     Dim m%
718
719     m = taGetMetricIndex(metricName)
720     taGetTestIndexXXX = DLookup("index", "tbl_taTestDefs", "metric='" & m & "AND
name='" & testName & "'")
721
722 End Function
723
724 Function taGetTgtLvlXXX (metricName$)
725     taGetTgtLvlXXX = DLookup("targetLevel", "tbl_taMetricDefs", "name='" &
metricName & "'")
726
727 End Function
728
729 Function taGroupDaysText$ (groupDays%)
730     Select Case groupDays
```

```
731         Case 1
732             taGroupDaysText = "1-Day "
733         Case 7
734             taGroupDaysText = "7-Day "
735         Case 30
736             taGroupDaysText = "30-Day "
737         Case Else '=0   A blk is required for building the summary flag msg
738             taGroupDaysText = ""
739     End Select
740
741 End Function
742
743 Function taInitForm ()
744     Dim f As Form
745
746     'xxx = guEchoSet(False)  'This causes problems in terms of flashing other
       screens
747
748     Set f = forms(taCurrentFormName())
749     f.Requery
750
751     Select Case modTakeActionMode
752         Case TAM_ITEM_DETAIL
753             f!cboNiin.Requery
754             f!cboNiin = modCurrentNiin
755
756         Case TAM_SUMMARY
757             xxx = taSetCurrentRecord(f, "niin='" & modCurrentNiin & "'")
758
759     End Select
760     xxx = taUpdateDefermentData()
761
762     f!lblWarning.visible = modNeedToResetTals Or modNeedToRetestBreaches
763     f!boxWarningShadow.visible = modNeedToResetTals Or modNeedToRetestBreaches
764
765     'xxx = guEchoSet(True)
766
767 End Function
768
769 Function taInitNiin% ()
770     '*** Returns TRUE if a the modCurrentNiin has been changed
771
772     Dim niin
773     Dim getNewNiin%
774
775     '*** Make Sure the Niin Is Valid
776     getNewNiin = False
777     If modCurrentNiin = "" Then
778         getNewNiin = True
779     ElseIf IsNull(DFirst("niin", "qry_taItemList", "niin='" & modCurrentNiin &
       "'")) Then
```

```
780         getNewNiin = True
781     End If
782
783     If getNewNiin Then
784         niin = DFirst("niin", "qry_taItemList")
785         If IsNull(niin) Then
786             modCurrentNiin = ""
787         Else
788             modCurrentNiin = niin
789         End If
790     End If
791
792     taInitNiin = getNewNiin
793
794 End Function
795
796 Function taInitVars ()
797     'xxx = taInitNiin()
798     modTakeActionMode = TAM_SUMMARY
799     'modTestTablesUpdated = False
800
801     DoCmd SetWarnings False
802     DoCmd OpenQuery "qry_taDeleteOldDeferments"
803     DoCmd SetWarnings True
804
805     '*** Flushing isn't required because this is done when the database is set
806     'xxx = taFlushTalData()
807
808     modTamString(TAM_ITEM_DETAIL) = "ItemDetail"
809     modTamString(TAM_SUMMARY) = "Summary"
810 End Function
811
812 Function taOpenForm ()
813     Dim s$
814     Dim f As Form
815
816     xxx = mmInitAll(True)
817     xxx = taInitNiin()
818
819     DoCmd OpenForm taCurrentFormName()
820
821     If taUpdateCheck(False) Then
822         modEnableNiinChange = False
823         xxx = taInitForm()
824         modEnableNiinChange = True
825     End If
826
827 End Function
828
829 Function taOptionsPopupOpenEvent ()
830     Dim f As Form
```

```
831     Dim opt%
832
833     Set f = forms!frm_taOptionsPopup
834
835     opt = 1 + DFirst("taSummaryDisplayLevel", "tblStaticVars")
836     If DFirst("taSummaryDisplayDeferments", "tblStaticVars") Then
837         If opt > 1 Then
838             opt = opt + 2
839         End If
840     End If
841     f!optDisplayedItems = opt
842
843     If DFirst("taItemDisplayAllFlags", "tblStaticVars") Then
844         f!optDisplayedFlags = 1
845     Else
846         f!optDisplayedFlags = 2
847     End If
848     f!chkDisplayTriggersPopup = DFirst("taDisplayTriggersPopup",
"tblStaticVars")
849
850 End Function
851
852 Function taSetBreachesOnlyXXX (opt%)
853     'modBreachesOnly = opt
854
855
856 End Function
857
858 Function taSetCurrentRecord (f As Form, criteria$)
859     '*** This is a general utility that should be moved into the general
utility module
860     '*** Note, that if the value is not found, this function doesn't do
anything
861
862     Dim bm$
863     Dim rs As Recordset
864
865     Set rs = f.recordsetClone
866     On Error GoTo NO_RECORDS
867     rs.MoveFirst
868     On Error GoTo 0
869     If Not rs.BOF Then
870         f.bookmark = rs.bookmark
871     End If
872     rs.FindFirst criteria
873     If Not rs.nomatch Then
874         f.bookmark = rs.bookmark
875     End If
876     rs.Close
877
878 NO_RECORDS:
```



```
879     Exit Function
880 End Function
881
882 Function taTalsOutOfDate% ()
883     taTalsOutOfDate = modNeedToResetTals
884 End Function
885
886 Function taUpdateCheck% (forceRun%)
887     Dim rv%
888     Dim f As Form
889
890     If modNeedToResetTals And Not forceRun And DFirst("taDisplayTriggersPopup",
"tblStaticVars") Then
891         DoCmd SetWarnings False
892         DoCmd OpenQuery "qry_taTriggersSetToLastUsed"
893         DoCmd SetWarnings True
894         DoCmd OpenForm "frm_taTriggersPopup"
895         Exit Function
896     End If
897
898     Set f = forms(taCurrentFormName())
899     f!lblWarning.visible = False
900     f!boxWarningShadow.visible = False
901     DoEvents
902
903     rv = False
904
905     If modNeedToResetTals Then
906         xxx = taCalculateTals()
907         modNeedToRetestBreaches = True
908         rv = True
909     ElseIf DCount("*", "qry_taResetTalCheck") > 0 Then
910         xxx = taCalculateTals()
911         modNeedToRetestBreaches = True
912         rv = True
913     End If
914
915     If modNeedToRetestBreaches Then
916         xxx = taBreachCheck()
917         rv = True
918     ElseIf DCount("*", "qry_taRetestBreachesCheck") > 0 Then
919         xxx = taBreachCheck()
920         rv = True
921     End If
922
923
924     modNeedToResetTals = False
925     modNeedToRetestBreaches = False
926
927     taUpdateCheck = rv 'Returns true if a requery will be required
928 End Function
```

```
929
930 Function taUpdateDefermentData ()
931     Dim db As Database
932     Dim rs As Recordset
933     Dim f As Form
934
935     Set f = forms(taCurrentFormName())
936
937     If modTakeActionMode = TAM_SUMMARY Then
938         f!txtDeferments = DCount("*", "qry_taDefermentCount")
939         If f!txtDeferments = 0 Then
940             f!btnClear.enabled = False
941         Else
942             f!btnClear.enabled = True
943         End If
944
945     Else
946         'TAM_ITEM_DETAIL
947         If modCurrentNiin = "" Then
948             f!chkDefer = False
949             f!chkDefer.enabled = False
950             f!txtDeferUntil = ""
951             f!txtDeferBy = ""
952             f!txtDeferReason = ""
953             f!txtDeferUntil.visible = False
954             f!txtDeferBy.visible = False
955             f!txtDeferReason.visible = False
956         Else
957             f!chkDefer.enabled = True
958             Set db = dbengine(0)(0)
959             Set rs = db.OpenRecordset("tbl_taFlagDeferments", DB_OPEN_SNAPSHOT)
960             rs.FindFirst "sgm='" & modCurrentNiin & "'"
961             If rs.nomatch Then
962                 f!chkDefer = False
963                 f!txtDeferUntil = ""
964                 f!txtDeferBy = ""
965                 f!txtDeferReason = ""
966                 f!txtDeferUntil.visible = False
967                 f!txtDeferBy.visible = False
968                 f!txtDeferReason.visible = False
969             Else
970                 f!chkDefer = True
971                 f!txtDeferUntil = rs!restartDate
972                 f!txtDeferBy = rs!person
973                 f!txtDeferReason = rs!reason
974                 f!txtDeferUntil.visible = True
975                 f!txtDeferBy.visible = True
976                 f!txtDeferReason.visible = True
977             End If
978             rs.Close
979
```

```
980      End If
981      End If
982
983 End Function
984
```

**User Permissions**

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 3/14/96 8:43:03 AM  
Owner: God

Last Updated: 12/11/96 2:02:00 PM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4 '*** Variables to specific metrics
5 Dim modIvCalcId%
6
7 '*** Specific Tool Identifiers
8 Dim TI_INVENTORY%
9
10
11 Global IS_GRAPH%
12
13
14 'Variables Common to the Tool Windows
15 ' Form Types
16 Const FT_ITEMS = 0
17 Const FT_HISTORY = 1
18 Const FT_VALUE = 2
19 Const FT_SOURCE = 3
20
21 Dim modFormTypeText$(4)
22
23
24 ' Item Rollups
25 Const IR_TRANS = 0
26 Const IR_ITEM = 1
27 Const IR_SGM = 2
28 Const IR_ISM = 3
29 Const IR_SOR = 4
30 Const IR_SOS = 5
31 Const IR_MGR = 6
32
33 Dim modItemRollupText$(7) 'This is a constant array
34 Dim modItemRollupTextAbb$(7) 'Used for query names
35
36
37 ' Source Rollups
38 Const SR_TRANS = 0
39 Global Const SR_SRAN = 1
40 Global Const SR_REGION = 2
41 Const SR_APP = 3
```

```
42 Const SR_RCC = 4
43 Const SR_ALC = 5
44 Dim modSourceRollupText$(6)      'This is a constant array
45 Dim modSourceRollupTextAbb$(6)   'Used for query names
46
47
48 ' History Rollup
49 Const HR_TRANS = 0
50 Const HR_DAY = 1
51 Const HR_WEEK = 2
52 Const HR_MONTH = 3
53 Dim modHistRollupText$(4)        'This is a constant array
54
55
56 ' Value Rollup
57 Const VR_TRANS = 0
58 Const VR_ONES = 1
59 Const VR_TENS = 2
60 Const VR_HUNDREDS = 3
61 Dim modValueRollupText$(4)       'This is a constant array
62 Dim modValueStep$(4)
63
64
65 Dim modLdbId%
66 Dim modToolId%
67 Dim modToolMode%
68 Dim modToolShortName$
69 Dim modFormType%
70 Dim modCurrentFormName$
71
72 Dim modItem$, modItemType%, modAllItems%
73 Dim modItemRollup%
74
75 Dim modStartDate, modEndDate, modAllDates%
76 Dim modHistRollup%
77
78 Dim modSource$, modSourceType%, modAllSources%, modSourceOfDemand%
79 Dim modSourceRollup%
80 Dim modHasSources%
81
82 Dim modValueMin%, modValueMax%, modAllValues%
83 Dim modValueRollup%
84 Dim modHasValues%
85
86 Dim modHasTrans%
87
88 Dim modGraphType%
89 Dim modGraphPlots%
90 Dim modGraphPercent%
91 Dim modGraphLegend$(5)
92
```

```
93 Dim modHistGrafInitiated
94
95 Dim modExcludeTable
96 Dim modExclusionChangeFlag%
97
98 '**** Requery Options
99 Const RQ_ALL = 1
100 Const RQ_SUBSET = 2
101 Const RQ_ROLLUP_ONLY = 3
102
103 '*** This is to support the requisition tranaction info popup
104 Dim modReqDocNo
105 Dim modReqSuffix
106
107 Private Function twAddSortOption$ (queryName$)
108     Dim db As Database
109     Dim s$
110     Dim q$
111     Dim sortId
112     Dim rs As Recordset
113     Dim fn1, fn2
114
115
116     sortId = DFirst("sortId", "tbl_twSortSelection", "toolId=" & modToolId & "
AND toolMode=" & twGetToolSortMode() & " AND formType=" & modFormType)
117
118     If IsNull(sortId) Then
119         twAddSortOption = queryName
120         Exit Function
121     End If
122
123     Set db = dbengine(0)(0)
124
125     If sortId = "ROLLUP" Then
126         q = "qry_twSortGetSelectionRollup"
127     Else
128         q = "qry_twSortGetSelectionNonRollup"
129     End If
130
131     Set rs = db.OpenRecordset(q, DB_OPEN_DYNASET)
132     s = "SELECT DISTINCTROW " & queryName & ".* FROM " & queryName & " ORDER BY
"
133
134     If (sortId <> "ROLLUP") And twCurrentTransRollup() Then
135         If Not IsNull(rs!transFieldName1) Then
136             fn1 = rs!transFieldName1
137             fn2 = rs!transFieldName2
138         Else
139             fn1 = rs!fieldName1
140             fn2 = rs!fieldName2
```

```
141         If sortId = "QTY" And modToolId = 4 And twGetToolSortMode() = 0 And
           fn1 = "TotQty" Then
142             If modFormType = 0 Or modFormType = 3 Then
143                 fn1 = "qty"
144             End If
145         End If
146
147     End If
148 Else
149     fn1 = rs!fieldName1
150     fn2 = rs!fieldName2
151 End If
152
153 s = s & queryName & "." & fn1 & IIf(rs!ascending1, "", " DESC")
154 If Not IsNull(fn2) Then
155     s = s & ", " & queryName & "." & fn2 & IIf(rs!ascending2, "", " DESC")
156 End If
157 s = s & ";"
158 rs.Close
159
160 twAddSortOption = s
161 End Function
162
163 Private Function twAdjustSortSelection ()
164     Dim sortId
165     Dim f As Form
166     Dim c As Control
167     Dim crit$, s$
168     Dim db As Database
169     Dim rs As Recordset
170     Dim fieldName$
171
172     crit = "toolId=" & modToolId & " AND toolMode=" & twGetToolSortMode() & "
           AND formType=" & modFormType
173
174     sortId = DFirst("sortId", "tbl_twSortSelection", crit)
175     If IsNull(sortId) Then
176         Exit Function
177     End If
178
179     '*** Check to see if sortId is still valid. It might not be valid if there
180     '*** is a sort option that is valid only for transactions rollups and not
   for
181     '*** others (or vice versa) and then you switch out of the transaction rollup
182     If DCount("", "qry_twSortList", "sortId='" & sortId & "'") = 0 Then
183         s = "UPDATE DISTINCTROW tbl_twSortSelection SET sortId = 'ROLLUP' WHERE
           " & crit & ";"
184         DoCmd SetWarnings False
185         DoCmd RunSQL s
186         DoCmd SetWarnings True
187     End If
188
```

```
189     '*** Adjust the Inventory By-Item Non-Rollup sort fields depending upon
      which calculation is selected
190     If modToolId = TI_INVENTORY And modFormType = FT_ITEMS And modToolMode > 0
      Then
191         fieldName = DLookup("FieldName", "tbl_ivCalculations", "CalcId=" &
      modToolMode)
192         Set db = dbengine(0) (0)
193         Set rs = db.OpenRecordset("qry_ivGetUpdateableSortFields",
      DB_OPEN_DYNASET)
194         rs.FindFirst "sortId = 'QTY'"
195         rs.Edit
196         rs!fieldName = "QtyOf" & fieldName
197         rs.Update
198
199         rs.FindFirst "sortId = 'AVG'"
200         rs.Edit
201         rs!fieldName = "AvgOf" & fieldName
202         rs.Update
203
204         rs.FindFirst "sortId = 'STDEV'"
205         rs.Edit
206         rs!fieldName = "StDevOf" & fieldName
207         rs.Update
208
209         rs.FindFirst "sortId = 'MIN'"
210         rs.Edit
211         rs!fieldName = "MinOf" & fieldName
212         rs.Update
213
214         rs.FindFirst "sortId = 'MAX'"
215         rs.Edit
216         rs!fieldName = "MaxOf" & fieldName
217         rs.Update
218
219         rs.Close
220     End If
221
222     xxx = twUpdateSortDisplay()
223
224 End Function
225
226 Function twChangeDataFields ()
227     Dim f As Form
228
229     xxx = guEchoSet(False)
230     Set f = forms(modCurrentFormName)
231     If modToolId = TI_INVENTORY Then
232         modIvCalcId = f!cboCalcId
233         modToolMode = modIvCalcId
234         xxx = twSetRecordSource(False)
235     End If
236     xxx = guEchoSet(True)
```



```
237
238 End Function
239
240 Function twChangeRollup ()
241     Dim f As Form
242     Dim m$
243     Dim switchForms%
244     Dim newRollup%
245
246     Set f = forms(modCurrentFormName)
247
248
249     '*** First Check to See If Change Is Needed and Allowed
250     Select Case modFormType
251         Case FT_ITEMS
252             If modItemRollup = f!cboRollup Then
253                 Exit Function
254             End If
255             If f!cboRollup = IR_SOR Or f!cboRollup = IR_SOS Then
256                 MsgBox "This rollup option is not currently available.",
MB_ICONINFORMATION, "Change Roll-up"
257                 f!cboRollup = modItemRollup
258                 Exit Function
259             End If
260
261         Case FT_HISTORY
262             If modHistRollup = f!cboRollup Then
263                 Exit Function
264             End If
265             'If f!cboRollup = HR_TRANS Then
266             '    MsgBox "This rollup option is not currently available.",
MB_ICONINFORMATION, "Change Roll-up"
267             '    f!cboRollup = modHistRollup
268             '    Exit Function
269             'End If
270
271         Case FT_VALUE
272             If modValueRollup = f!cboRollup Then
273                 Exit Function
274             End If
275
276         Case FT_SOURCE
277             If modSourceRollup = f!cboRollup Then
278                 Exit Function
279             End If
280             'If f!cboRollup = SR_TRANS Then
281             '    MsgBox "This rollup option is not currently available.",
MB_ICONINFORMATION, "Change Roll-up"
282             '    f!cboRollup = modSourceRollup
283             '    Exit Function
284             'End If
```

```
285
286     End Select
287
288     newRollup = f!cboRollup
289
290
291     '*** Check to see if the form has to be switched between a transaction form
292     '*** and the regular form
293     If twCurrentTransRollup() Or newRollup = 0 Then 'This works because I have
already made sure there was a change
294         switchForms = True
295     Else
296         switchForms = False
297     End If
298
299     xxx = guEchoSet(False)
300
301     If switchForms Then
302         xxx = twCloseCurrentForm(False)
303     End If
304
305
306     Select Case modFormType
307     Case FT_ITEMS
308         modItemRollup = newRollup
309
310     Case FT_HISTORY
311         modHistRollup = newRollup
312
313     Case FT_VALUE
314         modValueRollup = newRollup
315
316     Case FT_SOURCE
317         modSourceRollup = newRollup
318     End Select
319
320     If switchForms Then
321         xxx = twOpenForm(modToolId)
322     Else
323         xxx = twRequeryForm(RQ_ROLLUP_ONLY)
324     End If
325
326     xxx = guEchoSet(True)
327
328
329 End Function
330
331 Function twChangeSort ()
332     Dim f As Form
333     Dim s$, crit$
334
```

```
335     Set f = forms(modCurrentFormName)
336
337     crit = "toolId=" & modToolId & " AND toolMode=" & twGetToolSortMode() & "
AND formType=" & modFormType
338     If f!cboSort = DFirst("sortId", "tbl_twSortSelection", crit) Then Exit
Function
339
340     s = "UPDATE DISTINCTROW tbl_twSortSelection SET sortId = '" & f!cboSort &
""
341     s = s & " WHERE " & crit & ";"
342
343     DoCmd SetWarnings False
344     DoCmd RunSQL s
345     DoCmd SetWarnings True
346
347
348     xxx = guEchoSet(False)
349
350     xxx = twSetRecordSource(True)
351
352     xxx = guEchoSet(True)
353
354 End Function
355
356 Function twCheckHistRollup ()
357     Dim numDays%
358
359     numDays = DateDiff("d", modStartDate, modEndDate)
360
361     If numDays < 28 And modHistRollup = HR_MONTH Then
362         xxx = twSetHistRollupToDefault()
363
364     ElseIf numDays < 7 And modHistRollup = HR_WEEK Then
365         xxx = twSetHistRollupToDefault()
366     End If
367
368 End Function
369
370 Function twClickAll ()
371
372     Select Case modFormType
373     Case FT_ITEMS
374         xxx = twSelectAll(True, False, False, False)
375
376     Case FT_HISTORY
377         xxx = twSelectAll(False, True, False, False)
378
379     Case FT_VALUE
380         xxx = twSelectAll(False, False, False, True)
381
382     Case FT_SOURCE
```

```
383         xxx = twSelectAll(False, False, True, False)
384
385     End Select
386
387 End Function
388
389 Function twClickByDate ()
390     If modFormType = FT_HISTORY Then
391         Exit Function
392     End If
393
394     xxx = guEchoSet(False)
395     xxx = twCloseCurrentForm(False)
396     modFormType = FT_HISTORY
397     xxx = twOpenForm(modToolId)
398     xxx = guEchoSet(True)
399
400 End Function
401
402 Function twClickByDateGraph (rec As Long, btn#, doubleClick#)
403     Dim f As Form
404     Dim rs As Recordset
405
406     Set f = forms(modCurrentFormName)
407
408     If doubleClick Then
409
410         '*** Check to see if a valid record was clicked on
411         Set rs = f.recordsetClone
412         rs.FindFirst "timeIndex=" & rec
413         If rs.nomatch Then
414             Exit Function
415         End If
416         rs.Close
417
418         xxx = twDrillDownDates(CInt(rec))
419
420     Else 'Single Click
421         Set rs = f!sfmTable.form.recordsetClone
422         rs.MoveFirst
423         rs.Move rec
424         If rs.EOF Then
425             rs.MoveLast
426         End If
427         f!sfmTable.form.bookmark = rs.bookmark
428         rs.Move -4 'Put it in the center
429         If rs.BOF Then
430             rs.MoveFirst
431         End If
432     End If
433
```

```
434         f!sfmTable.form.bookmark = rs.bookmark
435         rs.Close
436
437     End If
438
439 End Function
440
441 Function twClickByItem ()
442     If modFormType = FT_ITEMS Then
443         Exit Function
444     End If
445
446     xxx = guEchoSet(False)
447     xxx = twCloseCurrentForm(False)
448     modFormType = FT_ITEMS
449     xxx = twOpenForm(modToolId)
450     xxx = guEchoSet(True)
451
452 End Function
453
454 Function twClickBySource ()
455     If modFormType = FT_SOURCE Then
456         Exit Function
457     End If
458
459     If modToolId = TI_INVENTORY Then
460         MsgBox "Inventory is not currently available by source.",
461             MB_ICONINFORMATION, "By Source"
462         Exit Function
463     End If
464
465     xxx = guEchoSet(False)
466     xxx = twCloseCurrentForm(False)
467     modFormType = FT_SOURCE
468     xxx = twOpenForm(modToolId)
469     xxx = guEchoSet(True)
470
471 End Function
472
473 Function twClickByValue ()
474     If modFormType = FT_VALUE Then
475         Exit Function
476     End If
477
478     MsgBox "Analysis by value is currently unavailable.", MB_ICONINFORMATION,
479         SHORT_TITLE
480     Exit Function
481
482     xxx = guEchoSet(False)
483     xxx = twCloseCurrentForm(False)
484     modFormType = FT_VALUE
485     xxx = twOpenForm(modToolId)
```

```
483     xxx = guEchoSet(True)
484
485 End Function
486
487 Function twClickExclude ()
488     Dim f As Form
489     Dim keyField1$, keyField2$
490     Dim keyCount%
491     Dim s$
492     Dim tbl$
493
494     Set f = forms(modCurrentFormName)
495     f.Recalc
496
497     tbl = "tblLdb" & modExcludeTable
498
499     keyCount = DLookup("keyCount", "tblDataTableDefs", "name = '" &
modExcludeTable & "'")
500     keyField1 = DLookup("keyField1", "tblDataTableDefs", "name = '" &
modExcludeTable & "'")
501
502     s = "UPDATE DISTINCTROW " & tbl & " AS t1 SET t1.exclude = " & f!exclude
503
504     s = s & " WHERE ((t1." & keyField1 & " = '" & f(keyField1) & "'))"
505     If keyCount = 2 Then
506         keyField2 = DLookup("keyField2", "tblDataTableDefs", "name = '" &
modExcludeTable & "'")
507         s = s & " AND (t1." & keyField2 & " = '" & f(keyField2) & "'))"
508     End If
509
510     DoCmd SetWarnings False
511     DoCmd RunSQL s
512     DoCmd SetWarnings True
513
514 End Function
515
516 Function twClickExit ()
517     'xxx = twCloseCurrentForm(False)
518     xxx = mmQuit()
519 End Function
520
521 Function twClickFindPopupCancel ()
522     DoCmd Close A_FORM, "frm_twFindPopup"
523 End Function
524
525 Function twClickHistTable (timeIndex As Long)
526     Dim f As Form
527
528     If modHistGrafInitiated Then
529         DoCmd Hourglass True
530         'guStatusMsg "Repositioning Graph"
```

```
531         Set f = forms(modCurrentFormName)!sfmGraph.form
532         xxx = gsSetPosition(f, timeIndex)
533         'guStatusClose
534         DoCmd Hourglass False
535     End If
536 End Function
537
538 Function twClickMenu ()
539     xxx = guEchoSet(False)
540     xxx = twCloseCurrentForm(True)
541     xxx = guEchoSet(True)
542 End Function
543
544 Function twClickPrint ()
545     If modCurrentFormName = "frm_ieHistoryPrimary" Or modCurrentFormName =
"frm_ivHistoryPrimary" Or modCurrentFormName = "frm_dmHistoryPrimary" Or
modCurrentFormName = "frm_rsHistoryPrimary" Then
546         IS_GRAPH = True
547     End If
548     xxx = guPrint()
549     IS_GRAPH = False
550 End Function
551
552 Function twClickReqInfoPopupOk ()
553     DoCmd Close A_FORM, "frm_twReqInfoPopup"
554 End Function
555
556 Function twCloseCurrentForm (rtm%)
557     Dim cfn$
558     Dim f As Form
559
560     cfn = modCurrentFormName
561
562     If twCurrentFormHasGraph() Then
563         Set f = forms(cfn)
564         xxx = gsClearClickEvent(f!sfmGraph.form, "sfmGraph")
565     End If
566
567     mmReturnToMenu = rtm
568     DoCmd Close A_FORM, cfn
569
570 End Function
571
572 Function twCloseEvent ()
573     If mmReturnToMenu Then
574         xxx = mmShowMenu(modToolShortName)
575     End If
576 End Function
577
578 Function twCurrentFormHasGraph% ()
579     Dim rv%
```

```
580
581     rv = (modFormType = FT_HISTORY And modHistRollup <> HR_TRANS)
582     rv = rv Or (modFormType = FT_VALUE And modValueRollup <> VR_TRANS)
583     twCurrentFormHasGraph = rv
584
585 End Function
586
587 Function twCurrentFormName$ ()
588     twCurrentFormName = twGetFormName(modToolId, modFormType,
589     twCurrentTransRollup())
589 End Function
590
591 Function twCurrentTransRollup% ()
592     Dim transRollup%
593
594     transRollup = (modFormType = FT_ITEMS And modItemRollup = IR_TRANS)
595     transRollup = transRollup Or (modFormType = FT_HISTORY And modHistRollup =
596     HR_TRANS)
597     transRollup = transRollup Or (modFormType = FT_SOURCE And modSourceRollup =
598     SR_TRANS)
599     transRollup = transRollup Or (modFormType = FT_VALUE And modValueRollup =
600     VR_TRANS)
601
602     twCurrentTransRollup = transRollup
603 End Function
604
605 Function twDateFromTimeIndex (timeIndex%)
606     '*** This is used by the history rollup to determine the starting date
607     '*** of individual rolled records
608     Dim dInit
609
610     Select Case modHistRollup
611     Case HR_WEEK
612         dInit = DateAdd("d", 1 - Weekday(modStartDate), modStartDate)
613     Case HR_MONTH
614         dInit = DateAdd("d", 1 - DatePart("d", modStartDate), modStartDate)
615     Case Else 'HR_TRANS and HR_DAY
616         dInit = modStartDate
617     End Select
618
619     twDateFromTimeIndex = DateAdd(twDateGroupString(), timeIndex, dInit)
620 End Function
621
622 Function twDateGroupString$ ()
623     '*** This is used by the history rollup query selection
624     '*** as a parameter in the DateDiff() interval used for grouping
625
626     Dim rv$
627
628     Select Case modHistRollup
629     Case HR_DAY
```



```
628         rv = "d"
629     Case HR_WEEK
630         rv = "ww"
631     Case HR_MONTH
632         rv = "m"
633     End Select
634     twDateGroupString = rv
635
636 End Function
637
638 Function twDateLabelFormat$ ()
639     Dim rv$
640
641     Select Case modHistRollup
642     Case HR_DAY, HR_WEEK
643         rv = "mmm d"
644     Case HR_MONTH
645         rv = "mmm yy"
646     End Select
647     twDateLabelFormat = rv
648
649 End Function
650
651 Function twDisplayReqInfoPopup (docNo$, suffix$)
652     If docNo = "" Then
653         Exit Function
654     End If
655
656     modReqDocNo = docNo
657     modReqSuffix = suffix
658
659     DoCmd OpenForm "frm_twReqInfoPopup", , , , A_DIALOG
660
661 End Function
662
663 Function twDrawHistGraphXXX ()
664     Dim f As Form
665     Dim shortName$
666     Dim tbl$
667
668     Set f = forms(modCurrentFormName)!sfmGraph.form
669     shortName = modToolShortName
670     Select Case shortName
671     Case "ie"
672         modGraphType = GS_BAR
673         modGraphPlots = 1
674         modGraphPercent = True
675     Case "dm"
676         modGraphType = GS_BAR
677         modGraphPlots = 1
678         modGraphPercent = False
```

```
679         Case "iv"
680             modGraphPercent = False
681
682         Case Else
683             modGraphPercent = False
684     End Select
685
686     'tbl = "tblTemp_" & shortName & "HistoryRollup"
687     tbl = forms(modCurrentFormName).recordsource
688     xxx = gsCreateGraph(f, tbl, modGraphType, 0, modGraphPlots,
689 modGraphPercent, "twClickByDateGraph", "sfmGraph", modGraphLegend())
690     modHistGrafInitiated = True
691
692 End Function
693
694 Function twDrillDownDates% (timeIndex%)
695     '*** Returns false if it cant be done
696
697     Dim endDate, startDate
698     Dim rollupReqd%
699     Dim f As Form
700
701     If modStartDate = modEndDate Then
702         twDrillDownDates = False
703         Exit Function
704     End If
705
706     Set f = forms(modCurrentFormName)
707     xxx = gsClearClickEvent(f!sfmGraph.form, "sfmGraph")
708
709     modAllDates = False
710     'startDate = DateValue(txtStartDate)
711     startDate = twDateFromTimeIndex(timeIndex)
712     Select Case modHistRollup
713         Case HR_MONTH
714             endDate = DateAdd("d", -1, DateAdd("m", 1, startDate))
715         Case HR_WEEK
716             endDate = DateAdd("d", 6, startDate)
717         Case HR_DAY
718             endDate = startDate
719     End Select
720
721     rollupReqd = False
722     If endDate < modEndDate Then
723         modEndDate = endDate
724         rollupReqd = True
725     End If
726     If startDate > modStartDate Then
727         modStartDate = startDate
728         rollupReqd = True
```

```
729     End If
730
731     If modHistRollup = HR_DAY And modHasTrans Then
732         xxx = guEchoSet(False)
733         xxx = twCloseCurrentForm(False)
734         modHistRollup = HR_TRANS
735         xxx = twReduceSelection()
736         xxx = twOpenForm(modToolId)
737         xxx = guEchoSet(True)
738
739     Else
740         If rollupReqd Then
741             xxx = twSetHistRollupToDefault()
742             xxx = twRequeryForm(RQ_SUBSET)
743         End If
744     End If
745
746     twDrillDownDates = True
747
748 End Function
749
750 Function twDrillDownItems% ()
751     '*** Return false if nothing done
752
753     Dim f As Form
754     'Dim hasTrans%
755
756     Set f = forms(modCurrentFormName)
757
758     If Not modAllItems And modItemType = modItemRollup Then
759         twDrillDownItems = False
760         Exit Function
761     End If
762
763     If Not modAllItems And modItemType = IR_ITEM Then
764         twDrillDownItems = False
765         Exit Function
766     End If
767
768     xxx = guEchoSet(False)
769
770     Select Case modItemRollup
771     Case IR_ITEM
772         modAllItems = False
773         modItemType = modItemRollup
774         modItem = f!niin
775         If modHasTrans Then
776             xxx = twCloseCurrentForm(False)
777             modItemRollup = IR_TRANS
778             xxx = twReduceSelection()
779             xxx = twOpenForm(modToolId)
```

```
780         Else
781             modItemRollup = IR_ITEM
782             xxx = twRequeryForm(RQ_SUBSET)
783         End If
784
785         Case IR_SGM
786             modAllItems = False
787             modItemType = modItemRollup
788             If modToolId <> TI_INVENTORY Or Not DLookup("SgmOnly",
789 "tbl_ivCalculations", "CalcId=" & modToolMode) Then
790                 modItemRollup = IR_ITEM
791             End If
792             modItem = f!niin
793             xxx = twRequeryForm(RQ_SUBSET)
794
795         Case IR_ISM
796             modAllItems = False
797             modItemType = modItemRollup
798             modItemRollup = IR_SGM
799             modItem = f!niin
800             xxx = twRequeryForm(RQ_SUBSET)
801
802         Case IR_MGR
803             If IsNull(f!ims) Then
804                 twDrillDownItems = False
805                 xxx = guEchoSet(True)
806                 Exit Function
807             End If
808             modAllItems = False
809             modItemType = modItemRollup
810             modItemRollup = IR_ISM
811             modItem = f!ims
812             xxx = twRequeryForm(RQ_SUBSET)
813
814         Case IR_SOR, IR_SOS
815             modAllItems = False
816             modItemType = modItemRollup
817             modItemRollup = IR_ISM
818             modItem = f!code
819             xxx = twRequeryForm(RQ_SUBSET)
820
821     End Select
822
823     xxx = guEchoSet(True)
824
825     twDrillDownItems = True
826 End Function
827
828 Function twDrillDownSources4 ()
829     '*** Returns false if nothing is done
```

```
830 Dim f As Form
831 'Dim hasTrans%
832
833 Set f = forms(modCurrentFormName)
834
835 If Not modAllSources Then
836     If modSourceType = modSourceRollup Then
837         twDrillDownSources = False
838         Exit Function
839     End If
840 End If
841
842 If Not modAllSources And modSourceType = SR_SRAN Then
843     twDrillDownSources = False
844     Exit Function
845 End If
846
847
848 modAllSources = False
849 modSourceType = modSourceRollup
850 Select Case modSourceRollup
851     Case SR_SRAN
852         modSource = f!code
853         If modHasTrans Then
854             xxx = guEchoSet(False)
855             xxx = twCloseCurrentForm(False)
856             modSourceRollup = SR_TRANS
857             xxx = twReduceSelection()
858             xxx = twOpenForm(modToolId)
859             xxx = guEchoSet(True)
860         Else
861             modSourceRollup = SR_SRAN
862             xxx = twRequeryForm(RQ_SUBSET)
863         End If
864
865     Case SR_REGION
866         modSourceRollup = SR_SRAN
867         modSource = f!code
868         xxx = twRequeryForm(RQ_SUBSET)
869
870 End Select
871
872 twDrillDownSources = True
873
874 End Function
875
876 Function twFind (txtNiin)
877     Dim f As Form
878
879     If txtNiin = "" Or IsNull(txtNiin) Then
880         xxx = twClickFindPopupCancel()
```

```
881     ElseIf Len(txtNiin) <> 9 Then
882         MsgBox "Niin must have nine numbers!", , "Input Error"
883         Set f = forms!frm_twFindPopup
884         f.SetFocus
885         f!txtNiin.SetFocus
886     Else
887         xxx = DCount("[niin]", "tblTemp_twSelectedNiins", "[niin] = txtNiin")
888         If xxx <> 0 And modItemRollup = IR_SGM Then
889             xxx = DCount("[sgm]", "tblLdbNsnData", "[sgm] = txtNiin")
890         End If
891
892         If xxx = 0 Then
893             MsgBox "Niin not found!"
894             Set f = forms!frm_twFindPopup
895             f.SetFocus
896             f!txtNiin.SetFocus
897         Else
898             xxx = guEchoSet(False)
899
900             modAllItems = False
901             modItemType = modItemRollup
902             Select Case modItemRollup
903                 Case IR_ITEM
904                     modItem = txtNiin
905                     DoCmd Close A_FORM, "frm_twFindPopup"
906                     If modHasTrans Then
907                         xxx = twCloseCurrentForm(False)
908                         modItemRollup = IR_TRANS
909                         xxx = twReduceSelection()
910                         xxx = twOpenForm(modToolId)
911                     Else
912                         modItemRollup = IR_ITEM
913                         xxx = twRequeryForm(RQ_SUBSET)
914                     End If
915                 Case IR_SGM
916                     If modToolId <> TI_INVENTORY Or Not DLookup("SgmOnly",
917 "tbl_ivCalculations", "CalcId=" & modToolMode) Then
918                         modItemRollup = IR_ITEM
919                     End If
920                     modItem = txtNiin
921                     DoCmd Close A_FORM, "frm_twFindPopup"
922                     xxx = twRequeryForm(RQ_SUBSET)
923
924             End Select
925
926             xxx = guEchoSet(True)
927         End If
928     End If
929
930 End Function
```

```
931
932 Function twGetCurrentIRText ()
933     twGetCurrentIRText = modItemRollupText(modItemRollup)
934 End Function
935
936 Function twGetDateLabel (timeIndex%)
937     twGetDateLabel = Format$(twDateFromTimeIndex(timeIndex),
938         twDateLabelFormat())
938
939 End Function
940
941 Function twGetEndDate ()
942     twGetEndDate = modEndDate
943
944 End Function
945
946 Function twGetEndDateMax ()
947     Dim rv
948
949     Select Case modToolShortName
950         Case "cs"
951             rv = guMin(ldGetEndDate("levelHistory"), ldGetEndDate("inventory"))
952         Case "dm"
953             rv = ldGetEndDate("demands")
954         Case "iv"
955             rv = ldGetEndDate("inventory")
956         Case "ie"
957             rv = ldGetEndDate("demands")
958         Case "ac"
959             rv = ldGetEndDate("acquisitions")
960         Case "pr"
961             rv = ldGetEndDate("repairtime")
962         Case "rp"
963             rv = ldGetEndDate("repairtime")
964         Case "rs"
965             rv = ldGetEndDate("Demands")
966         Case Else
967             MsgBox "The current tool ID is not valid!", , "Programmer Error"
968     End Select
969     twGetEndDateMax = rv
970
971 End Function
972
973 Function twGetFormName$ (id%, ft%, transRollup%)
974     Dim s$
975
976     s = mmGetToolInfo(id, "shortName") & modFormTypeText(ft)
977
978     If transRollup Then
979         s = s & "Trans"
980     End If
```

```
981
982     twGetFormName = "frm_" & s & "Primary"
983
984 End Function
985
986 Function twGetFormType% ()
987     twGetFormType = modFormType
988 End Function
989
990 Function twGetReqDocNo ()
991     twGetReqDocNo = modReqDocNo
992 End Function
993
994 Function twGetReqSuffix ()
995     twGetReqSuffix = modReqSuffix
996 End Function
997
998 Function twGetStartDate ()
999     twGetStartDate = modStartDate
1000 End Function
1001
1002 Function twGetStartDateMax ()
1003     Dim rv
1004
1005     Select Case modToolShortName
1006         Case "cs"
1007             rv = guMax(ldGetStartDate("levelHistory"),
1008 ldGetStartDate("inventory"))
1009         Case "dm"
1010             rv = ldGetStartDate("demands")
1011         Case "iv"
1012             rv = ldGetStartDate("inventory")
1013         Case "ie"
1014             rv = ldGetStartDate("demands")
1015         Case "ac"
1016             rv = ldGetStartDate("acquisitions")
1017         Case "pr"
1018             rv = ldGetStartDate("repairtime")
1019         Case "rp"
1020             rv = ldGetStartDate("repairtime")
1021         Case "rs"
1022             rv = ldGetStartDate("Demands")
1023         Case Else
1024             MsgBox "The current tool ID is not valid!", , "Programmer Error"
1025     End Select
1026     twGetStartDateMax = rv
1027 End Function
1028
1029 Private Function twGetTalValues% (talAvg!, talYellow!, talRed!)
1030     '*** Returns false if there are no values to be gotten
```



```
1031 Dim db As Database, rs As Recordset
1032 Dim testPeriod$
1033 Dim groupDays%
1034 Dim crit$
1035 Dim taIndex
1036
1037 twGetTalValues = False 'Default
1038
1039 If modAllItems Or modItemType <> IR_SGM Then Exit Function
1040
1041 If taTalsOutOfDate() Then Exit Function
1042
1043
1044 '*** Get the Appropriate Take-Action Metric Index
1045 crit = "toolShortName=" & modToolShortName & ""
1046 If modToolId = TI_INVENTORY Then
1047     crit = crit & " and toolOption=" & modToolMode
1048 End If
1049 taIndex = DFirst("index", "tbl_taMetricDefs", crit)
1050
1051 If IsNull(taIndex) Then Exit Function
1052
1053 Select Case modHistRollup
1054     Case HR_DAY
1055         testPeriod = "Daily"
1056         groupDays = 1
1057     Case HR_WEEK
1058         testPeriod = "Weekly"
1059         groupDays = 7
1060     Case HR_MONTH
1061         testPeriod = "Monthly"
1062         groupDays = 30
1063 End Select
1064 If Not DFirst("installed and enable" & testPeriod, "tbl_taMetricDefs",
1065 "index=" & taIndex) Then
1066     Exit Function
1067 End If
1068
1069 Set db = dbengine(0)(0)
1070 Set rs = db.OpenRecordset("tblTemp_taTakeActionLines", DB_OPEN_SNAPSHOT)
1071 rs.FindFirst "metricIndex=" & taIndex & " and sgm=" & modItem & " and
1072 groupDays=" & groupDays
1073
1074 talAvg = .5 * (rs!hiTal2 + rs!loTal2)
1075 talYellow = rs!hiTal1 - talAvg
1076 talRed = rs!hiTal2 - talAvg
1077
1078 rs.Close
1079
1080 twGetTalValues = True
```

```
1080 End Function
1081
1082 Function twGetToolId% ()
1083     twGetToolId = modToolId
1084 End Function
1085
1086 Function twGetToolRollup% ()
1087     Dim rv%
1088
1089     Select Case modFormType
1090         Case FT_ITEMS
1091             rv = modItemRollup
1092         Case FT_HISTORY
1093             rv = modHistRollup
1094         Case FT_VALUE
1095             rv = modValueRollup
1096         Case FT_SOURCE
1097             rv = modSourceRollup
1098     End Select
1099
1100     twGetToolRollup = rv
1101 End Function
1102
1103 Function twGetToolSortMode% ()
1104     '*** This is currently only used for the inventory module
1105     If modToolMode = 0 Then
1106         twGetToolSortMode = 0
1107     Else
1108         If modFormType = FT_HISTORY And modHistRollup = HR_DAY Then
1109             twGetToolSortMode = 2
1110         Else
1111             twGetToolSortMode = 1
1112         End If
1113     End If
1114 End Function
1115
1116 Function twInitVars ()
1117
1118     modIvCalcId = 0 'All Balances
1119     modToolMode = 0
1120
1121     modLdbId = 0
1122     modToolId = 0
1123     modFormType = FT_ITEMS
1124
1125     modAllItems = True
1126     modItemRollup = IR_SGM
1127
1128     modAllDates = True
1129     modStartDate = Null
1130     modEndDate = Null
```

```
1131     modHistRollup = HR_MONTH
1132
1133     modAllSources = True
1134     modSourceRollup = SR_SRAN
1135     modSourceOfDemand = True
1136
1137     modAllValues = True
1138     modValueRollup = VR_ONES
1139
1140
1141     ''''Initialize Constant Arrays
1142     modItemRollupText(IR_TRANS) = "Transaction"
1143     modItemRollupText(IR_ITEM) = "Item"
1144     modItemRollupText(IR_SGM) = "Subgroup Master"
1145     modItemRollupText(IR_ISM) = "I&S Master"
1146     modItemRollupText(IR_SOR) = "SOR"
1147     modItemRollupText(IR_SOS) = "SOS"
1148     modItemRollupText(IR_MGR) = "Item Manager"
1149
1150     modItemRollupTextAbb(IR_TRANS) = "Trans"
1151     modItemRollupTextAbb(IR_ITEM) = "Item"
1152     modItemRollupTextAbb(IR_SGM) = "Sgm"
1153     modItemRollupTextAbb(IR_ISM) = "Ism"
1154     modItemRollupTextAbb(IR_SOR) = "Sor"
1155     modItemRollupTextAbb(IR_SOS) = "Sos"
1156     modItemRollupTextAbb(IR_MGR) = "Mgr"
1157
1158     modSourceRollupText(SR_TRANS) = "Transaction"
1159     modSourceRollupText(SR_SRAN) = "SRAN"
1160     modSourceRollupText(SR_REGION) = "Region"
1161     modSourceRollupText(SR_APP) = "Application"
1162     modSourceRollupText(SR_RCC) = "RCC"
1163     modSourceRollupText(SR_ALC) = "ALC"
1164
1165     modSourceRollupTextAbb(SR_TRANS) = "Trans"
1166     modSourceRollupTextAbb(SR_SRAN) = "Sran"
1167     modSourceRollupTextAbb(SR_REGION) = "Rgn"
1168     modSourceRollupTextAbb(SR_APP) = "App"
1169     modSourceRollupTextAbb(SR_RCC) = "Rcc"
1170     modSourceRollupTextAbb(SR_ALC) = "Alc"
1171
1172     modHistRollupText(HR_TRANS) = "Transaction"
1173     modHistRollupText(HR_DAY) = "Day"
1174     modHistRollupText(HR_WEEK) = "Week"
1175     modHistRollupText(HR_MONTH) = "Month"
1176
1177     modValueRollupText(VR_ONES) = "Transaction"
1178     modValueRollupText(VR_ONES) = "Ones"
1179     modValueRollupText(VR_TENS) = "Tens"
1180     modValueRollupText(VR_HUNDREDS) = "Hundreds"
1181
```

```
1182     modValueStep(VR_ONES) = 1
1183     modValueStep(VR_TENS) = 10
1184     modValueStep(VR_HUNDREDS) = 100
1185
1186
1187     modFormTypeText(FT_ITEMS) = "Items"
1188     modFormTypeText(FT_HISTORY) = "History"
1189     modFormTypeText(FT_VALUE) = "Values"
1190     modFormTypeText(FT_SOURCE) = "Sources"
1191
1192     TI_INVENTORY = DLookup("Id", "tblToolNames", "ShortName='iv'")
1193
1194
1195 End Function
1196
1197 Function twIsSingleItemSelection% ()
1198
1199     twIsSingleItemSelection = (Not modAllItems And (modItemType = IR_ITEM))
1200
1201 End Function
1202
1203 Function twLoadEvent ()
1204     Dim f As Form
1205
1206     Set f = forms(modCurrentFormName)
1207     xxx = ldUpdateLdbDisplay(f)
1208     xxx = twUpdateRollupDisplay()
1209     xxx = twUpdateSortDisplay()
1210     xxx = twUpdateSelectionDisplay()
1211
1212     If modToolId = TI_INVENTORY Then
1213         f!cboCalcId = modToolMode
1214     End If
1215
1216     Select Case modFormType
1217     Case FT_ITEMS
1218
1219     Case FT_HISTORY
1220         'xxx = twDrawHistGraph()
1221
1222     Case FT_VALUE
1223
1224     Case FT_SOURCE
1225     End Select
1226
1227
1228 End Function
1229
1230 Private Function twLoadHistoryRollup (sortOnly%)
1231     Dim db As Database
1232     Dim rs As Recordset
```

```
1233 Dim t$
1234 Dim dgs$, dlf$
1235 Dim i$
1236 Dim d, dInit
1237 Dim s$
1238 Dim f As Form
1239 Dim sfm As Form
1240
1241
1242 '*** Inventory Uses a Completely Different Method
1243 If modToolId = TI_INVENTORY Then
1244     xxx = twLoadHistoryRollupInventory(sortOnly)
1245     Exit Function
1246 End If
1247
1248
1249 t = "tblTemp_" & modToolShortName & "HistoryRollup"
1250
1251
1252 If sortOnly Then
1253     Set f = forms(modCurrentFormName)
1254     Set sfm = f!sfmTable.form
1255     sfm.recordsource = twAddSortOption(t)
1256     Exit Function
1257 End If
1258
1259
1260 Select Case modToolShortName
1261     Case "ie"
1262         modGraphType = GS_BAR
1263         modGraphPlots = 1
1264         modGraphPercent = True
1265     Case "dm"
1266         modGraphType = GS_BAR
1267         modGraphPlots = 1
1268         modGraphPercent = False
1269     Case "rs"
1270         modGraphType = GS_MINMAX
1271         modGraphPlots = 1
1272         modGraphPercent = False
1273 End Select
1274
1275
1276 '*** Remove existing records
1277 DoCmd SetWarnings False
1278 xxx = guFlushTable(t, False)
1279 xxx = guFlushTable(t & "nonNull", False)
1280 DoCmd SetWarnings True
1281
1282 '*** Initialize the table with 0's
1283 Set db = dbengine(0)(0)
```

```
1284 Set rs = db.OpenRecordset(t, DB_OPEN_DYNASET)
1285 dgs = twDateGroupString()
1286 dlf = twDateLabelFormat()
1287
1288 If modHistRollup = HR_WEEK Then
1289     dInit = DateAdd("d", 1 - Weekday(modStartDate), modStartDate)
1290 ElseIf modHistRollup = HR_MONTH Then
1291     dInit = DateAdd("d", 1 - DatePart("d", modStartDate), modStartDate)
1292 Else
1293     dInit = modStartDate
1294 End If
1295 If modGraphType = GS_BAR Then
1296     For i = 0 To DateDiff(dgs, dInit, modEndDate)
1297         d = DateAdd(dgs, i, dInit)
1298         rs.AddNew
1299         rs!timeIndex = i
1300         rs!label = Format$(d, dlf)
1301         rs.Update
1302     Next
1303 Else
1304     For i = 0 To DateDiff(dgs, dInit, modEndDate)
1305         d = DateAdd(dgs, i, dInit)
1306         rs.AddNew
1307         rs!timeIndex = i
1308         rs!label = Format$(d, dlf)
1309         'rs!avg0 = 0
1310         'rs!min0 = 0
1311         'rs!max0 = 0
1312         rs!avg0 = Null
1313         rs!min0 = Null
1314         rs!max0 = Null
1315         rs!stDev0 = Null
1316         rs.Update
1317     Next
1318 End If
1319 rs.Close
1320
1321 DoCmd SetWarnings False
1322 DoCmd OpenQuery "qry_" & modToolShortName & "HistoryRollup"
1323 DoCmd OpenQuery "qry_" & modToolShortName & "FillHistoryRollup"
1324 DoCmd SetWarnings True
1325
1326 '*** There is an Access anomaly when you specify the recordsource of a form
1327 '*** as a table, and then you go and change the data in that table.
1328 '*** The data will be deleted as far as the form is concerned, although the
data is
1329 '*** sitting right there in the table.
1330 '*** It appears that a "requery" and a "refresh" don't affect the forms
status.
1331 '*** However, setting the recordsource to itself will clear things up.
1332
```

```
1333     '*** Assumes that the recordsource for both the Table and main form are
        tables
1334     Set f = forms(modCurrentFormName)
1335     Set sfm = f!sfmTable.form
1336     f.recordsource = t
1337     sfm.recordsource = twAddSortOption(t)
1338
1339
1340
1341 End Function
1342
1343 Function twLoadHistoryRollupInventory (sortOnly%)
1344     Dim t$
1345     Dim s$
1346     Dim graphName$
1347     Dim fieldName$
1348     Dim f As Form, sfm As Form
1349
1350     If modToolMode = 0 Then 'All Balances
1351         modGraphType = GS_LINE
1352         modGraphPlots = 3
1353         graphName = "MultiLine"
1354
1355     ElseIf modHistRollup = HR_DAY Then
1356         modGraphType = GS_BAR
1357         modGraphPlots = 1
1358         graphName = "ValueBar"
1359
1360     Else
1361         modGraphType = GS_MINMAX
1362         modGraphPlots = 1
1363         graphName = "RangeBar"
1364     End If
1365     modGraphPercent = False
1366
1367
1368     t = "tblTemp_" & modToolShortName & "HistoryRollup" & graphName
1369
1370     If sortOnly Then
1371         Set f = forms(modCurrentFormName)
1372         Set sfm = f!sfmTable.form
1373         sfm.recordsource = twAddSortOption(t)
1374     Exit Function
1375 End If
1376
1377
1378
1379 '*** Remove existing records
1380 xxx = guFlushTable(t, True)
1381
1382
```

```
1383      '*** Create Records
1384      s = "INSERT INTO " & t & " SELECT DISTINCTROW"
1385      s = s & " DateDiff(twDateGroupString(),twGetStartDate(),[Date]) AS"
1386      timeIndex,"
1387
1388      If modToolMode = 0 And modHistRollup = HR_DAY Then
1389          's = s & "awpQty AS value0,"
1390          s = s & "boQty AS value0,"
1391          s = s & "csiQty AS value1,"
1392          s = s & "ipQty AS value2"
1393          's = s & "repQty AS value4"
1394
1395      ElseIf modToolMode = 0 Then
1396          's = s & " Avg(awpQty) AS value0,"
1397          s = s & " Avg(boQty) AS value0,"
1398          s = s & " Avg(csiQty) AS value1,"
1399          s = s & " Avg(ipQty) AS value2"
1400          's = s & " Avg(repQty) AS value4"
1401
1402      ElseIf modHistRollup = HR_DAY Then
1403          fieldName = DLookup("FieldName", "tbl_ivCalculations", "CalcId=" &
1404      modToolMode)
1405          s = s & " " & fieldName & " AS value0"
1406
1407      Else
1408          fieldName = DLookup("FieldName", "tbl_ivCalculations", "CalcId=" &
1409      modToolMode)
1410          s = s & " Avg(" & fieldName & ") AS avg0,"
1411          s = s & " Min(" & fieldName & ") AS min0,"
1412          s = s & " Max(" & fieldName & ") as max0"
1413          's = s & " StDev(" & fieldName & ") AS stDev0"
1414      End If
1415
1416      s = s & " FROM qry_ivSumOfItemsPerDate"
1417      If modHistRollup <> HR_DAY Then
1418          s = s & " GROUP BY"
1419          DateDiff(twDateGroupString(),twGetStartDate(),[Date])"
1420      End If
1421
1422      DoCmd SetWarnings False
1423      DoCmd RunSQL s
1424      DoCmd SetWarnings True
1425
1426      s = "UPDATE DISTINCTROW " & t & " SET label = twGetDateLabel([timeIndex])"
1427      DoCmd SetWarnings False
1428      DoCmd RunSQL s
1429      DoCmd SetWarnings True
1430
```



```
1431      '*** Assumes that the recordsource for both the Table and main form are
      tables
1432      Set f = forms(modCurrentFormName)
1433      Set sfm = f!sfmTable.form
1434      f.recordsource = t
1435      sfm.recordsource = twAddSortOption(t)
1436
1437
1438      '*** Change the control source of what is displayed in the table
1439      If modToolMode = 0 Then 'All Balances
1440          sfm!txtField2.visible = True
1441          sfm!txtField3.visible = True
1442          'sfm!txtField4.visible = True
1443          'sfm!txtField5.visible = True
1444
1445          sfm!lblField2.visible = True
1446          sfm!lblField3.visible = True
1447          'sfm!lblField4.visible = True
1448          'sfm!lblField5.visible = True
1449
1450          sfm!txtField1.controlSource = "value0"
1451          sfm!txtField2.controlSource = "value1"
1452          sfm!txtField3.controlSource = "value2"
1453          'sfm!txtField4.controlSource = "value3"
1454          'sfm!txtField5.controlSource = "value4"
1455
1456          'sfm!lblField1.caption = "AWP"
1457          sfm!lblField1.Caption = "BO"
1458          sfm!lblField2.Caption = "CSI"
1459          sfm!lblField3.Caption = "WIP"
1460          'sfm!lblField5.caption = "Rep"
1461
1462          'modGraphLegend(0) = "AWP"
1463          modGraphLegend(0) = "BO"
1464          modGraphLegend(1) = "CSI"
1465          modGraphLegend(2) = "WIP"
1466          'modGraphLegend(4) = "Rep"
1467
1468
1469      ElseIf modHistRollup = HR_DAY Then
1470          sfm!txtField2.visible = False
1471          sfm!txtField3.visible = False
1472          sfm!txtField4.visible = False
1473          sfm!txtField5.visible = False
1474
1475          sfm!lblField2.visible = False
1476          sfm!lblField3.visible = False
1477          sfm!lblField4.visible = False
1478          sfm!lblField5.visible = False
1479
1480          sfm!txtField1.controlSource = "value0"
```

```
1481
1482     sfm!lblField1.Caption = "Qty"
1483
1484     Else
1485         sfm!txtField2.visible = True
1486         sfm!txtField3.visible = True
1487         'sfm!txtField4.visible = True
1488         'sfm!txtField5.visible = False
1489
1490         sfm!lblField2.visible = True
1491         sfm!lblField3.visible = True
1492         'sfm!lblField4.visible = True
1493         'sfm!lblField5.visible = False
1494
1495         sfm!txtField1.controlSource = "avg0"
1496         sfm!txtField2.controlSource = "min0"
1497         sfm!txtField3.controlSource = "max0"
1498         'sfm!txtField4.controlSource = "stDev0"
1499
1500         sfm!lblField1.Caption = "Avg"
1501         sfm!lblField2.Caption = "Min"
1502         sfm!lblField3.Caption = "Max"
1503         'sfm!lblField4.caption = "SD"
1504
1505
1506     End If
1507
1508
1509 End Function
1510
1511 Function twLoadSelectedNiins ()
1512     Dim s$
1513
1514     DoCmd SetWarnings False
1515     xxx = guFlushTable("tblTemp_twSelectedNiins", False)
1516
1517     s = "INSERT INTO tblTemp_twSelectedNiins ( niin )"
1518     s = s & " SELECT DISTINCTROW tblLdbNsnData.NIIN"
1519     s = s & " FROM tblLdbNsnData"
1520
1521     If Not modAllItems Then
1522         Select Case modItemType
1523             Case IR_ITEM
1524             Case IR_SGM
1525             Case IR_ISM, IR_SOR, IR_SOS, IR_MGR
1526                 s = s & " INNER JOIN tblLdbSgmData ON tblLdbSgmData.niin =
tblLdbNsnData.sgm"
1527         End Select
1528
1529     Select Case modItemType
1530         Case IR_ITEM
```

```
1531         s = s & " WHERE tblLdbNsnData.niin"
1532     Case IR_SGM
1533         s = s & " WHERE tblLdbNsnData.sgm"
1534     Case IR_ISM
1535         s = s & " WHERE tblLdbSgmData.ism"
1536     Case IR_SOR
1537         s = s & " WHERE tblLdbSgmData.sor"
1538     Case IR_SOS
1539         s = s & " WHERE tblLdbSgmData.sos"
1540     Case IR_MGR
1541         s = s & " WHERE tblLdbSgmData.ims"
1542     End Select
1543     s = s & "=" & modItem & ""
1544 End If
1545
1546 DoCmd RunSQL s
1547
1548 DoCmd SetWarnings True
1549
1550 End Function
1551
1552 Function twLoadSelectedSrans ()
1553     Dim s$
1554
1555     DoCmd SetWarnings False
1556     xxx = guFlushTable("tblTemp_twSelectedSrans", False)
1557
1558     s = "INSERT INTO tblTemp_twSelectedSrans ( sran )"
1559     s = s & " SELECT DISTINCTROW tblLdbSrans.SRAN"
1560     s = s & " FROM tblLdbSrans"
1561
1562     If Not modAllSources Then
1563         Select Case modSourceType
1564             Case SR_SRAN
1565             Case SR_REGION
1566                 s = s & " INNER JOIN tblLdbBases ON tblLdbSrans.BASE_NAME =
tblLdbBases.BASE_NAME"
1567         End Select
1568
1569         Select Case modSourceType
1570             Case SR_SRAN
1571                 s = s & " WHERE tblLdbSrans.sran"
1572             Case SR_REGION
1573                 s = s & " WHERE tblLdbBases.region"
1574         End Select
1575         s = s & "=" & modSource & ""
1576     End If
1577
1578     DoCmd RunSQL s
1579
1580     DoCmd SetWarnings True
```

```
1581
1582 End Function
1583
1584 Function twLoadSelectionTables ()
1585     Dim s
1586
1587     xxx = twLoadSelectedNiins()
1588     If modHasSources Then
1589         xxx = twLoadSelectedSrans()
1590     End If
1591
1592     DoCmd SetWarnings False
1593     xxx = guFlushTable("tblTemp_" & modToolShortName & "Selection", False)
1594     DoCmd OpenQuery "qry_" & modToolShortName & "LoadSelection"
1595
1596     DoCmd SetWarnings True
1597
1598 End Function
1599
1600 Function twOpenEvent ()
1601     mmReturnToMenu = True
1602     xxx = twSetRecordSource(False)
1603
1604
1605 End Function
1606
1607 Function twOpenForm (toolId%)
1608
1609     Dim oldLdbId%
1610     Dim startMax, endMax
1611     Dim sourceOfDemand%
1612     Dim db As Database, rs As Recordset
1613
1614     modHistGrafInitiated = False
1615
1616     Set db = dbengine(0)(0)
1617     Set rs = db.OpenRecordset("tblToolNames", DB_OPEN_SNAPSHOT)
1618     rs.FindFirst "id=" & toolId
1619     modHasSources = rs!hasSources
1620     modHasValues = rs!hasValues
1621     modExcludeTable = rs!excludeTable
1622     modHasTrans = rs!hasTrans
1623     modToolShortName = rs!shortName
1624     sourceOfDemand = rs!demandTransactions
1625     rs.Close
1626
1627
1628     '*** Adjust form type if it does not exists
1629     If modFormType = FT_SOURCE And Not modHasSources Then
1630         modFormType = FT_ITEMS
1631     End If
```

```
1632
1633     If modFormType = FT_VALUE And Not modHasValues Then
1634         modFormType = FT_ITEMS
1635     End If
1636
1637
1638     '**** Adjust the source type if changed
1639     If modFormType = FT_SOURCE And (sourceOfDemand <> modSourceOfDemand) Then
1640         modAllSources = True
1641         modSourceOfDemand = sourceOfDemand
1642         If sourceOfDemand Then
1643             modSourceRollup = SR_SRAN
1644         Else
1645             modSourceRollup = SR_RCC
1646         End If
1647     End If
1648
1649
1650     '*** Reset the roll-ups if they were at the transaction level
1651     If Not modHasTrans Then
1652         If modFormType = FT_ITEMS And modItemRollup = IR_TRANS Then
1653             xxx = twSetItemRollupToDefault()
1654         End If
1655         If modFormType = FT_SOURCE And modSourceRollup = SR_TRANS Then
1656             xxx = twSetSourceRollupToDefault()
1657         End If
1658         If modFormType = FT_HISTORY And modHistRollup = HR_TRANS Then
1659             xxx = twSetHistRollupToDefault()
1660         End If
1661         If modFormType = FT_VALUE And modValueRollup = VR_TRANS Then
1662             xxx = twSetValueRollupToDefault()
1663         End If
1664     End If
1665
1666
1667     '*** The Selection database needs to be regenerated if the either the
1668     '*** database has been changed or the tool type has been changed.
1669     oldLdbId = modLdbId
1670     modLdbId = ldGetId()
1671     If modLdbId <> oldLdbId Or modToolId <> toolId Or modExclusionChangeFlag
1672     Then
1673         modToolId = toolId
1674
1675         modExclusionChangeFlag = False
1676
1677         '**** Adjust the selection dates
1678         startMax = twGetStartDateMax()
1679         endMax = twGetEndDateMax()
1680
1681         If modAllDates = True Or IsNull(modStartDate) Then
1682             modAllDates = True
```

```
1682         modStartDate = startMax
1683         modEndDate = endMax
1684         xxx = twSetHistRollupToDefault()
1685     Else
1686         modStartDate = guMax(startMax, modStartDate)
1687         modEndDate = guMin(endMax, modEndDate)
1688         xxx = twCheckHistRollup()
1689     End If
1690     If modStartDate > modEndDate Then
1691         modAllDates = True
1692         modStartDate = startMax
1693         modEndDate = endMax
1694         xxx = twSetHistRollupToDefault()
1695     End If
1696
1697     xxx = twLoadSelectionTables()
1698 End If
1699
1700 '*** Set the tool mode
1701 If modToolId = TI_INVENTORY Then
1702     modToolMode = modIvCalcId
1703 Else
1704     modToolMode = 0
1705 End If
1706
1707 '*** Adjust the inventory CalcId if it isn't allowed for the current drill-
down selection
1708 If modToolId = TI_INVENTORY And twIsSingleItemSelection() Then
1709     If DLookup("SgmOnly", "tbl_ivCalculations", "CalcId=" & modToolMode)
Then
1710         modIvCalcId = DFirst("CalcId", "tbl_ivCalculations", "not SgmOnly")
1711         modToolMode = modIvCalcId
1712     End If
1713 End If
1714
1715 '*** Adjust the inventory item roll-up if the current calculation is
1716 '*** for subgroup masters only
1717 If modToolId = TI_INVENTORY And modFormType = FT_ITEMS And modItemRollup <>
IR_SGM Then
1718     If DLookup("SgmOnly", "tbl_ivCalculations", "CalcId=" & modToolMode)
Then
1719         modItemRollup = IR_SGM
1720     End If
1721 End If
1722
1723 modCurrentFormName = twCurrentFormName()
1724 DoCmd OpenForm modCurrentFormName
1725
1726 End Function
1727
1728 Function twOpenFormWithInit (toolId$, sgm$, rollupDays$, toolOption$)
1729     '*** This is used by the Take-Action flag drill down
```

```
1730
1731     Dim db As Database, rs As Recordset
1732
1733     modToolId = toolId
1734
1735     modHistGrafInitiated = False
1736
1737     Set db = dbengine(0)(0)
1738     Set rs = db.OpenRecordset("tblToolNames", DB_OPEN_SNAPSHOT)
1739     rs.FindFirst "id=" & toolId
1740     modHasSources = rs!hasSources
1741     modHasValues = rs!hasValues
1742     modExcludeTable = rs!excludeTable
1743     modToolShortName = rs!shortName
1744     modHasTrans = rs!hasTrans
1745
1746     If modHasSources Then 'Don't destroy source selection unless have to
1747         modAllSources = True
1748         modSourceOfDemand = rs!demandTransactions
1749     End If
1750
1751     rs.Close
1752
1753     modFormType = FT_HISTORY
1754
1755     modItemRollup = IR_ITEM
1756     modItem = sgm
1757     modItemType = IR_SGM
1758     modAllItems = False
1759
1760     modAllDates = True
1761     modStartDate = twGetStartDateMax()
1762     modEndDate = twGetEndDateMax()
1763
1764
1765
1766     Select Case rollupDays
1767     Case 1
1768         modHistRollup = HR_DAY
1769     Case 7
1770         modHistRollup = HR_WEEK
1771     Case Else
1772         modHistRollup = HR_MONTH
1773     End Select
1774
1775
1776     modToolMode = toolOption 'Currently, this should be 0 for modules other
    than inventory
1777     If modToolId = TI_INVENTORY Then
1778         modIvCalcId = toolOption
1779     End If
```

```
1780
1781     modCurrentFormName = twCurrentFormName()
1782
1783     modExclusionChangeFlag = False
1784
1785     xxx = twLoadSelectionTables()
1786     DoCmd OpenForm modCurrentFormName
1787
1788 End Function
1789
1790 Function twReduceSelection ()
1791     Dim s$
1792
1793     If modFormType = FT_ITEMS Then
1794         xxx = twLoadSelectedNiins()
1795     ElseIf modFormType = FT_SOURCE Then
1796         xxx = twLoadSelectedSrans()
1797     End If
1798
1799     s = "qry_" & modToolShortName
1800     s = s & "RemoveUnselected"
1801     DoCmd SetWarnings False
1802     DoCmd OpenQuery s & modFormTypeText(modFormType)
1803     DoCmd SetWarnings True
1804
1805 End Function
1806
1807 Function twRequeryForm (rqOpt%)
1808     Dim s
1809
1810     If rqOpt <> RQ_ROLLUP_ONLY Then
1811         If rqOpt = RQ_ALL Then
1812             xxx = twLoadSelectionTables()
1813
1814         Else 'rqOpt=RQ_SUBSET
1815             xxx = twReduceSelection()
1816
1817         End If
1818
1819         xxx = twUpdateSelectionDisplay()
1820     End If
1821
1822     xxx = twSetRecordSource(False)
1823
1824     '*** Moved these from beginning to end of this function so that the
1825     '*** sort option will get adjusted first
1826     xxx = twUpdateRollupDisplay()
1827     xxx = twUpdateSortDisplay()
1828
1829
1830 End Function
```



```
1831
1832
1833 Function twRollupOptionList ()
1834     Dim s$
1835     Dim dd%
1836
1837     Select Case modFormType
1838         Case FT_ITEMS
1839             If modHasTrans Then
1840                 s = IR_TRANS & ";" & modItemRollupText(IR_TRANS) & ";"
1841             End If
1842             s = s & IR_ITEM & ";" & modItemRollupText(IR_ITEM)
1843
1844             If modAllItems Or modItemType >= IR_SGM Then
1845                 s = s & ";" & IR_SGM & ";" & modItemRollupText(IR_SGM)
1846             End If
1847             If modAllItems Or modItemType >= IR_ISM Then
1848                 s = s & ";" & IR_ISM & ";" & modItemRollupText(IR_ISM)
1849             End If
1850             If modAllItems Or modItemType = IR_MGR Then
1851                 s = s & ";" & IR_MGR & ";" & modItemRollupText(IR_MGR)
1852             End If
1853             If modAllItems Or modItemType = IR_SOR Then
1854                 s = s & ";" & IR_SOR & ";" & modItemRollupText(IR_SOR)
1855             End If
1856             If modAllItems Or modItemType = IR_SOS Then
1857                 s = s & ";" & IR_SOS & ";" & modItemRollupText(IR_SOS)
1858             End If
1859
1860
1861         Case FT_HISTORY
1862             If modHasTrans Then
1863                 s = HR_TRANS & ";" & modHistRollupText(HR_TRANS) & ";"
1864             End If
1865             s = s & HR_DAY & ";" & modHistRollupText(HR_DAY)
1866             dd = DateDiff("d", modStartDate, modEndDate)
1867             If dd > 7 Then
1868                 s = s & ";" & HR_WEEK & ";" & modHistRollupText(HR_WEEK)
1869             End If
1870             If dd > 31 Then
1871                 s = s & ";" & HR_MONTH & ";" & modHistRollupText(HR_MONTH)
1872             End If
1873
1874         Case FT_VALUE
1875
1876         Case FT_SOURCE
1877             If modHasTrans Then
1878                 s = SR_TRANS & ";" & modSourceRollupText(SR_TRANS) & ";"
1879             End If
1880             s = s & SR_SRAN & ";" & modSourceRollupText(SR_SRAN)
1881             If modAllSources Or modSourceType >= SR_REGION Then
```

```
1882             s = s & ";" & SR_REGION & ";" & modSourceRollupText(SR_REGION)
1883             End If
1884
1885         End Select
1886
1887         twRollupOptionList = s
1888
1889     End Function
1890
1891     Function twSelectAll (items%, dates%, sources%, values%)
1892         Dim inTrans%
1893         Dim doit%
1894
1895         doit = items And Not modAllItems
1896         doit = doit Or (dates And Not modAllDates)
1897         doit = doit Or (values And modHasValues And Not modAllValues)
1898         doit = doit Or (sources And modHasSources And Not modAllSources)
1899
1900         If Not doit Then Exit Function
1901
1902         xxx = guEchoSet(False)
1903
1904         inTrans = twCurrentTransRollup()
1905
1906         If inTrans Then
1907             xxx = twCloseCurrentForm(False)
1908         End If
1909
1910         If items And Not modAllItems Then
1911             modAllItems = True
1912             xxx = twSetItemRollupToDefault()
1913         End If
1914
1915         If dates And Not modAllDates Then
1916             modAllDates = True
1917             modStartDate = twGetStartDateMax()
1918             modEndDate = twGetEndDateMax()
1919             xxx = twSetHistRollupToDefault()
1920         End If
1921
1922         If values And modHasValues And Not modAllValues Then
1923             modAllValues = True
1924             xxx = twSetValueRollupToDefault()
1925         End If
1926
1927         If sources And modHasSources And Not modAllSources Then
1928             modAllSources = True
1929             'xxx = twSetSourceRollupToDefault()
1930         End If
1931
1932
```

```
1933
1934     If inTrans Then
1935         xxx = twLoadSelectionTables()
1936         xxx = twOpenForm(modToolId)
1937     Else
1938         xxx = twRequeryForm(RQ_ALL)
1939     End If
1940
1941     xxx = guEchoSet(True)
1942
1943
1944 End Function
1945
1946 Function twSetDataFields ()
1947     Dim f As Form
1948     Dim fieldName$
1949
1950     '*** The following sets
1951     If modToolId = TI_INVENTORY And modFormType = FT_ITEMS Then
1952
1953         Set f = forms(modCurrentFormName)
1954
1955         If modToolMode = 0 Then 'All
1956             f!lblField5.visible = True
1957             f!txtField5.visible = True
1958             f!txtTotal3.visible = True
1959             f!txtTotal4.visible = True
1960             f!txtTotal5.visible = True
1961
1962             f!lblField1.Caption = "Avg" & guCRLF() & "AWP"
1963             f!lblField2.Caption = "Avg" & guCRLF() & "BOs"
1964             f!lblField3.Caption = "Avg" & guCRLF() & "CSI"
1965             f!lblField4.Caption = "Avg" & guCRLF() & "WIP"
1966             f!lblField5.Caption = "Avg" & guCRLF() & "Reps"
1967
1968             f!txtField1.controlSource = "AvgOfAwpQty"
1969             f!txtField2.controlSource = "AvgOfBoQty"
1970             f!txtField3.controlSource = "AvgOfCsiQty"
1971             f!txtField4.controlSource = "AvgOfIpQty"
1972             f!txtField5.controlSource = "AvgOfRepQty"
1973
1974             f!txtTotal1.controlSource = "=Avg (AvgOfAwpQty) "
1975             f!txtTotal2.controlSource = "=Avg (AvgOfBoQty) "
1976             f!txtTotal3.controlSource = "=Avg (AvgOfCsiQty) "
1977             f!txtTotal4.controlSource = "=Avg (AvgOfIpQty) "
1978             f!txtTotal5.controlSource = "=Avg (AvgOfRepQty) "
1979
1980         Else
1981             f!lblField5.visible = False
1982             f!txtField5.visible = False
1983             f!txtTotal3.visible = False
```

```
1984         f!txtTotal4.visible = False
1985         f!txtTotal5.visible = False
1986
1987         f!lblField1.Caption = guCRLF() & "Avg"
1988         f!lblField2.Caption = "Std" & guCRLF() & "Dev"
1989         f!lblField3.Caption = guCRLF() & "Min"
1990         f!lblField4.Caption = guCRLF() & "Max"
1991         f!lblField5.Caption = guCRLF() & "Reps"
1992
1993         fieldName = DLookup("FieldName", "tbl_ivCalculations", "CalcId=" &
modToolMode)
1994
1995         f!txtField1.controlSource = "AvgOf" & fieldName
1996         f!txtField2.controlSource = "StDevOf" & fieldName
1997         f!txtField3.controlSource = "MinOf" & fieldName
1998         f!txtField4.controlSource = "MaxOf" & fieldName
1999
2000         f!txtTotal1.controlSource = "=Avg(AvgOf" & fieldName & ")"
2001         f!txtTotal2.controlSource = "=Avg(StDevOf" & fieldName & ")"
2002     End If
2003
2004     If DLookup("SgmOnly", "tbl_ivCalculations", "CalcId=" & modToolMode)
Then
2005         f!cboRollup.enabled = False
2006     Else
2007         f!cboRollup.enabled = True
2008     End If
2009
2010 End If
2011
2012
2013
2014 End Function
2015
2016 Function twSetExclusionChangeFlag ()
2017     modExclusionChangeFlag = True
2018 End Function
2019
2020 Private Function twSetHistRollupToDefault ()
2021     If DateDiff("m", modStartDate, modEndDate) > 2 Then
2022         modHistRollup = HR_MONTH
2023     ElseIf DateDiff("ww", modStartDate, modEndDate) > 2 Then
2024         modHistRollup = HR_WEEK
2025     ElseIf DateDiff("d", modStartDate, modEndDate) = 0 And modHasTrans Then
2026         modHistRollup = HR_TRANS
2027     Else
2028         modHistRollup = HR_DAY
2029     End If
2030 End Function
2031
2032 Function twSetItemRollupToDefault ()
```

```
2033     Dim r%
2034
2035     If modToolId = 0 Then
2036         r = IR_SGM
2037     Else
2038         If modAllItems Then
2039             r = IR_SGM
2040         Else
2041             If modItemType = IR_ITEM Then
2042                 If modHasTrans Then
2043                     r = IR_TRANS
2044                 Else
2045                     r = IR_ITEM
2046                 End If
2047             ElseIf modItemType = IR_SGM Then
2048                 r = IR_ITEM
2049             Else
2050                 r = IR_SGM
2051             End If
2052         End If
2053     End If
2054     modItemRollup = r
2055
2056 End Function
2057
2058 Private Function twSetRecordSource (sortOnly%)
2059     '*** Note that the sortOnly option can only be utilized by the ByDate screen
2060     '*** because that is the only one the does creates a table
2061
2062     Dim f As Form
2063     Dim s$
2064     Dim rs As Recordset
2065     Dim talAvg!, talYellow!, talRed!
2066     Dim sortId
2067
2068     xxx = twAdjustSortSelection()
2069     xxx = twSetDataFields()
2070
2071     Set f = forms(modCurrentFormName)
2072
2073     '*** For transactions rollups, there is no rollup
2074     If twCurrentTransRollup() Then
2075         s = "qry_" & modToolShortName & "Trans"
2076         f.recordsource = twAddSortOption(s)
2077         Exit Function
2078     End If
2079
2080     s = "qry_" & modToolShortName
2081     s = s & modFormTypeText(modFormType) & "Rollup"
2082
2083     Select Case modFormType
```

```
2084         Case FT_ITEMS
2085             s = s & modItemRollupTextAbb(modItemRollup)
2086             If modToolId <> TI_INVENTORY And Not DFirst("OnlyItemsWithTrans",
"tblStaticVars") Then
2087                 s = s & "All"
2088             End If
2089             f.recordsource = twAddSortOption(s)
2090             'f.Requery
2091
2092         Case FT_HISTORY
2093             xxx = twLoadHistoryRollup(sortOnly)
2094
2095             '*** If ordering by date, position table at end, otherwise leave at
beginning
2096             sortId = DFirst("sortId", "tbl_twSortSelection", "toolId=" &
modToolId & " AND toolMode=" & modToolMode & " AND formType=" & modFormType)
2097             If sortId = "ROLLUP" Then
2098                 Set rs = f!sfmTable.form.recordsetClone
2099
2100                 On Error Resume Next 'Just in case there are no records
2101                 rs.MoveLast
2102                 f!sfmTable.form.bookmark = rs.bookmark
2103                 rs.Move -8 'Table for demands is 9 records long
2104                 If rs.BOF Then
2105                     rs.MoveFirst
2106                 End If
2107
2108                 f!sfmTable.form.bookmark = rs.bookmark
2109                 On Error GoTo 0
2110                 rs.Close
2111             End If
2112
2113
2114             '*** Position at end. Assumes that no more than 1000 records.
2115             xxx = gsCreateGraph(f!sfmGraph.form, (f.recordsource),
modGraphType, 1000, modGraphPlots, modGraphPercent, "twClickByDateGraph",
"sfmGraph", modGraphLegend())
2116             If twGetTalValues(talAvg, talYellow, talRed) Then
2117                 xxx = gsCreateHorizontal(f!sfmGraph.form, talAvg,
QBColor(QBC_LTGREEN))
2118                 xxx = gsCreateHorizontal(f!sfmGraph.form, talAvg + talYellow,
QBColor(QBC_LTYELLOW))
2119                 xxx = gsCreateHorizontal(f!sfmGraph.form, talAvg + talRed,
QBColor(QBC_LTRRED))
2120                 xxx = gsCreateHorizontal(f!sfmGraph.form, talAvg - talYellow,
QBColor(QBC_LTYELLOW))
2121                 xxx = gsCreateHorizontal(f!sfmGraph.form, talAvg - talRed,
QBColor(QBC_LTRRED))
2122             End If
2123             modHistGrafInitiated = True
2124             'xxx = twDrawHistGraph()
2125
2126
2127
```

```
2128         Case FT_VALUE
2129
2130         Case FT_SOURCE
2131             s = s & modSourceRollupTextAbb(modSourceRollup)
2132             If Not DFirst("OnlySourcesWithTrans", "tblStaticVars") Then
2133                 s = s & "All"
2134             End If
2135             f.recordsource = twAddSortOption(s)
2136             'f.Requery
2137         End Select
2138
2139     End Function
2140
2141     Function twSetSourceRollupToDefault ()
2142         Dim r%
2143
2144         If modToolId = 0 Then
2145             r = SR_SRAN
2146         Else
2147
2148             If modSourceOfDemand Then
2149                 If modHasTrans And modSourceType = SR_SRAN Then
2150                     ' r = SR_TRANS
2151                     'Else
2152                     r = SR_SRAN
2153                 End If
2154
2155             Else
2156                 If modHasTrans And modSourceType = SR_RCC Then
2157                     r = SR_TRANS
2158                 Else
2159                     r = SR_RCC
2160                 End If
2161             End If
2162         End If
2163         modSourceRollup = r
2164
2165     End Function
2166
2167     Function twSetValueRollupToDefault ()
2168         modValueRollup = VR_ONES
2169
2170     End Function
2171
2172     Function twSgmItemRollup ()
2173         twSgmItemRollup = (modItemRollup = IR_SGM)
2174     End Function
2175
2176     Function twSpanInDays () As Single
2177         twSpanInDays = DateDiff("d", modStartDate, modEndDate) + 1
2178     End Function
```

```
2179
2180 Function twSpanInMonths () As Single
2181     twSpanInMonths = 12 * twSpanInDays() / 365
2182
2183 End Function
2184
2185 Function twSpanInWeeks () As Single
2186     twSpanInWeeks = twSpanInDays() / 7
2187 End Function
2188
2189 Private Function twUpdateRollupDisplay ()
2190     Dim f As Form
2191     Dim c As Control
2192
2193     Set f = forms(modCurrentFormName)
2194     Set c = f!cboRollup
2195     c.rowSource = twRollupOptionList()
2196
2197     DoCmd SetWarnings False
2198     DoCmd OpenQuery "qry_twSortSetRollupLabel"
2199     DoCmd SetWarnings True
2200
2201     Select Case modFormType
2202     Case FT_ITEMS
2203         'guSetCtlText c, modItemRollup
2204         f!cboRollup = modItemRollup
2205         Select Case modItemRollup
2206         Case IR_TRANS
2207             'Do nothing. This never has to change
2208
2209         Case IR_ITEM, IR_SGM, IR_ISM
2210             f!lblNsn.visible = True
2211             f!lblNoun.visible = True
2212             f!txtNsn.visible = True
2213             f!txtNoun.visible = True
2214             f!lblIm2.visible = True
2215             f!txtIm2.visible = True
2216             If modItemRollup <> IR_ISM Then
2217                 f!btnFind.enabled = True
2218             Else
2219                 f!btnFind.enabled = False
2220             End If
2221
2222             On Error Resume Next     'Needed in case there are no records
2223             f!txtNsn.SetFocus         'Done so that focus is not on a
field about to be hidden
2224             On Error GoTo 0
2225
2226             f!lblIm2.visible = False
2227             f!lblMgrName.visible = False
2228             f!txtIm2.visible = False
```



```
2229             f!txtMgrName.visible = False
2230
2231         Case IR_MGR
2232             f!lblIms.visible = True
2233             f!lblMgrName.visible = True
2234             f!txtIms.visible = True
2235             f!txtMgrName.visible = True
2236
2237             On Error Resume Next      'Needed in case there are no records
2238             f!txtIms.SetFocus          'Done so that focus is not on a
field about to be hidden
2239             On Error GoTo 0
2240
2241             f!btnFind.enabled = False
2242             f!lblIms2.visible = False
2243             f!txtIms2.visible = False
2244             f!lblNsn.visible = False
2245             f!lblNoun.visible = False
2246             f!txtNsn.visible = False
2247             f!txtNoun.visible = False
2248
2249         Case IR_SOR, IR_SOS
2250
2251     End Select
2252     If modToolId = TI_INVENTORY Then
2253         f!cboCalcId.Requery
2254         f!cboCalcId = modToolMode
2255     End If
2256
2257     Case FT_HISTORY
2258         'guSetCtlText c, modHistRollup
2259         f!cboRollup = modHistRollup
2260
2261     Case FT_VALUE
2262         'guSetCtlText c, modValueRollup
2263         f!cboRollup = modValueRollup
2264
2265     Case FT_SOURCE
2266         'guSetCtlText c, modSourceRollup
2267         f!cboRollup = modSourceRollup
2268         Select Case modSourceRollup
2269             Case SR_SRAN
2270                 f!lblCode.Caption = guCRLF() & "SRAN"
2271                 f!lblName.Caption = guCRLF() & "Airbase"
2272
2273             Case SR_REGION
2274                 f!lblCode.Caption = guCRLF() & "Region"
2275                 f!lblName.Caption = guCRLF() & "Description"
2276
2277             Case Else 'SR_TRANS, SR_APP, SR_RCC, SR_ALC
2278
```

```
2279         End Select
2280
2281     End Select
2282
2283
2284 End Function
2285
2286 Private Function twUpdateSelectionDisplay ()
2287     '*** Preliminary testing indicated that whe printing to the printer the
2288     text controls
2289     '*** won't be displayed. Thus all the fields were changed to labels
2290     instead.
2291
2292     Dim f As Form
2293     Dim c1 As Control, c2 As Control, c3 As Control, c4 As Control
2294     Dim fmt$
2295
2296     Set f = forms(modCurrentFormName)!sfmSelection.form
2297
2298     '**** Item Selection
2299     Set c1 = f!txtItem
2300     Set c2 = f!txtItemType
2301     If modAllItems Then
2302         c1.Caption = " ALL"
2303         c2.visible = False
2304     Else
2305         Select Case modItemType
2306             Case IR_ITEM, IR_SGM, IR_ISM
2307                 c1.Caption = ndNsnFromNiin(modItem)
2308             Case IR_SOR, IR_SOS, IR_MGR
2309                 c1.Caption = modItem
2310             End Select
2311         c2.visible = True
2312         c2.Caption = modItemRollupText(modItemType)
2313     End If
2314
2315     '**** Date Selection
2316     Set c1 = f!txtStartDate
2317     Set c2 = f!txtEndDate
2318     Set c3 = f!lblDateTo
2319     If modAllDates Then
2320         'guSetCtlText c1, " ALL"
2321         c1.Caption = " ALL"
2322         c2.visible = False
2323         c3.visible = False
2324     Else
2325         If (modHistRollup = HR_MONTH) Then
2326             fmt = " mm yy"
2327         End If
2328     End If
2329 End Function
```

```
2328         Else
2329             fmt = " d mmm yy"
2330         End If
2331         c1.Caption = Format$(modStartDate, fmt)
2332         c2.visible = True
2333         c3.visible = True
2334         c2.Caption = Format$(modEndDate, fmt)
2335     End If
2336
2337
2338     '**** Source Selection
2339     Set c1 = f!txtSource
2340     Set c2 = f!txtSourceType
2341     Set c3 = f!lblSources
2342     If modHasSources Then
2343         c1.visible = True
2344         c3.visible = True
2345         If modAllSources Then
2346             c1.Caption = " ALL"
2347             c2.visible = False
2348         Else
2349             c1.Caption = modSource
2350             c2.visible = True
2351             c2.Caption = modSourceRollupText(modSourceType)
2352         End If
2353     Else
2354         c1.visible = False
2355         c2.visible = False
2356         c3.visible = False
2357     End If
2358
2359
2360     '**** Value Selection
2361     Set c1 = f!txtStartValue
2362     Set c2 = f!txtEndValue
2363     Set c3 = f!lblValueTo
2364     Set c4 = f!lblValues
2365     If modHasValues Then
2366         c1.visible = True
2367         c4.visible = True
2368         If modAllValues Then
2369             c1.Caption = " ALL"
2370             c2.visible = False
2371             c3.visible = False
2372         Else
2373             c1.Caption = CStr(modValueMin)
2374             c2.visible = True
2375             c3.visible = True
2376             c2.Caption = CStr(modValueMax)
2377         End If
2378     End If
```

```
2379     Else
2380         c1.visible = False
2381         c2.visible = False
2382         c3.visible = False
2383         c4.visible = False
2384     End If
2385
2386 End Function
2387
2388 Function twUpdateSortDisplay ()
2389     Dim sortId
2390     Dim f As Form
2391     Dim c As Control
2392     Dim crit$, s$
2393
2394     sortId = DFirst("sortId", "tbl_twSortSelection", "toolId=" & modToolId & "
AND toolMode=" & twGetToolSortMode() & " AND formType=" & modFormType)
2395     If IsNull(sortId) Then
2396         Exit Function
2397     End If
2398
2399     Set f = forms(modCurrentFormName)
2400     On Error GoTo NO_SORT_CONTROL 'This should be removed after debugging
2401     Set c = f!cboSort
2402     On Error GoTo 0
2403     c.rowSource = "qry_twSortList"
2404     c.Requery
2405     c = sortId
2406
2407 NO_SORT_CONTROL:
2408     Exit Function
2409
2410 End Function
2411
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

Admins	Read Permissions, Set Permissions
Analysts	

Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 1/23/96 9:12:10 PM  
Owner: God

Last Updated: 6/21/96 8:25:37 AM

Code

```
1 Option Compare Database 'Use database order for string comparisons
2 Option Explicit
3
4
5 'Type Definitions Used By the Windows API
6 Type RECT
7     left As Integer
8     top As Integer
9     right As Integer
10    bottom As Integer
11 End Type
12
13 'Type INT_POINT
14 '     x As Integer
15 '     y As Integer
16 'End Type
17
18
19
20 'DECLARATIONS
21 Declare Sub UpdateWindow Lib "user" (ByVal hwnd%)
22
23 Declare Sub SetWindowText Lib "user" (ByVal hwnd%, ByVal text%)
24
25 Declare Sub GetClientRect Lib "user" (ByVal hwnd%, r As RECT)
26 Declare Sub GetWindowRect Lib "user" (ByVal hwnd%, r As RECT)
27 Declare Function GetParent Lib "user" (ByVal hwnd%) As Integer
28 Declare Function GetActiveWindow Lib "user" () As Integer
29
30 'These cannot be used because the POINT cannot be passed by value
31 'Declare Function ChildWindowFromPoint Lib "user" (ByVal hwnd%, ByVal pt As
Any) As Integer
32 'Declare Function WindowFromPoint Lib "user" (ByVal pt As Any) As Integer
33
34
35 Declare Function GetProfileString Lib "Kernel" (ByVal SName$, ByVal KName$,
ByVal Def$, ByVal Ret$, ByVal Size) As Integer
36 Declare Function GetPrivateProfileString Lib "Kernel" (ByVal SName$, ByVal
KName$, ByVal Def$, ByVal Ret$, ByVal Size, ByVal fname) As Integer
37 Declare Function WritePrivateProfileString Lib "Kernel" (ByVal SName$, ByVal
KName$, ByVal KVal$, ByVal fname) As Integer
38
```

```
39 Declare Function GetDC Lib "user" (ByVal hwnd%) As Integer
40 Declare Function GetDeviceCaps Lib "gdi" (ByVal hwnd%, ByVal cap%) As Integer
41 Declare Function ReleaseDC Lib "user" (ByVal hwnd%, ByVal hdc%) As Integer
42
43 Declare Function IsZoomed Lib "user" (ByVal hwnd%) As Integer
44 Declare Function IsIconic Lib "user" (ByVal hwnd%) As Integer
45
46 Declare Function mySetFocus Lib "user" Alias "SetFocus" (ByVal hwnd%) As Integer
47
48 Function GetAccessWindow () As Integer
49     Dim hwnd As Integer
50
51     hwnd = GetActiveWindow()
52     Do While GetParent(hwnd) <> 0
53         hwnd = GetParent(hwnd)
54     Loop
55     GetAccessWindow = hwnd
56 End Function
57
58 Sub MaximizeFormXXX (f As Form)    ''' Not used
59     Dim r As RECT
60     Dim widthMain As Single, heightMain As Single
61
62     'Forms!frmBgnd.Section(0).BackColor = f.Section(0).BackColor
63
64     If IsZoomed(f.hwnd) <> 0 Or IsIconic(f.hwnd) <> 0 Then
65         DoCmd SelectObject A_TABLE, f.name
66         DoCmd Restore
67     End If
68
69     GetClientRect GetAccessWindow(), r
70
71     widthMain = (r.right - r.left) * (1440 / PxlsPerInchX())
72
73     ''' For simplicity I have assumed that height of the status bar
74     '       at the bottom is the same as the toolbar height
75     heightMain = (r.bottom - r.top) * (1440 / PxlsPerInchY()) - 2 * ToolbarHgt()
76
77     DoCmd SelectObject A_FORM, f.name
78     DoCmd MoveSize (widthMain - f.width) / 2, guMax(0, heightMain -
f.Section(0).height) / 2
79
80
81 End Sub
82
83 Function PxlsPerInchX () As Integer
84     Dim LOGPIXELSX As Integer
85     Dim hdc As Integer
86     Dim x As Integer
87
88     LOGPIXELSX = 88
```

```
89     hdc = GetDC(0)
90     PxlsPerInchX = GetDeviceCaps(hdc, LOGPIXELSX)
91     z = ReleaseDC(0, hdc)
92
93 End Function
94
95 Function PxlsPerInchY ()
96     Dim LOGPIXELSY As Integer
97     Dim hdc As Integer
98     Dim z As Integer
99
100    LOGPIXELSY = 90
101    hdc = GetDC(0)
102    PxlsPerInchY = GetDeviceCaps(hdc, LOGPIXELSY)
103    z = ReleaseDC(0, hdc)
104
105 End Function
106
107 ''' Currently, this does not work because ChildWindowFromPoint
108 '     cannot be used
109 '
110 Function ToolbarHgt () As Integer
111     ToolbarHgt = 25 * (1440 / PxlsPerInchY())
112     Exit Function
113
114     'Dim pt As INT_POINT
115     Dim hwnd As Integer
116     Dim r As RECT
117
118     'pt.x = 200
119     'pt.y = 200
120
121     'hwnd = ChildWindowFromPoint(GetAccessWindow(), pt)
122     GetClientRect hwnd, r
123     ToolbarHgt = r.bottom - r.top
124 End Function
125
```

#### User Permissions

admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	



**Group Permissions**

Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

Properties

Date Created: 4/25/96 9:44:32 AM  
Owner: God

Last Updated: 4/25/96 9:44:32 AM

Code

```
1 Option Compare Database
2 Option Explicit
3
4 Type zwtTextMetrics
5     tmHeight As Integer
6     tmAscent As Integer
7     tmDescent As Integer
8     tmIntL As Integer
9     tmExtL As Integer
10    tmAWidth As Integer
11    tmMWidth As Integer
12    tmWeight As Integer
13    tmItalic As String * 1
14    tmUnderline As String * 1
15    tmStrike As String * 1
16    tmIchar As String * 1
17    tmLchar As String * 1
18    tmDchar As String * 1
19    tmBchar As String * 1
20    tmPitchAndFamily As String * 1
21    tmCharSet As String * 1
22    tmOver As Integer
23    tmDaspectX As Integer
24    tmDaspectY As Integer
25 End Type
26
27 Type zwtMIPSTR
28     rgb As String * 24
29 End Type
30 Type zwfMarginInfo
31     xLeftMargin As Integer
32     yTopMargin As Integer
33     xRightMargin As Integer
34     yBotMargin As Integer
35     fDataOnly As Integer
36     xFormSize As Integer
37     yFormSize As Integer
38     fDefaultSize As Integer
39     cxColumns As Integer
40     xFormSpacing As Integer
41     yFormSpacing As Integer
```

```
42     radItemOrder As Integer
43 End Type
44
45 Type zwtDevModeStr
46     rgb As String * 68
47 End Type
48 Type zwtDeviceMode
49     dmDeviceName As String * 32
50     dmSpecVersion As Integer
51     dmDriverVersion As Integer
52     dmSize As Integer
53     dmDriverExtra As Integer
54     dmFields As Long
55     dmOrientation As Integer
56     dmPaperSize As Integer
57     dmPaperLength As Integer
58     dmPaperWidth As Integer
59     dmScale As Integer
60     dmCopies As Integer
61     dmDefaultSource As Integer
62     dmPrintQuality As Integer
63     dmColor As Integer
64     dmDuplex As Integer
65     dmResolution As Integer
66     dmTTOption As Integer
67 End Type
68
69 Type zwtDevNamesStr
70     rgb As String * 6
71 End Type
72 Type zwtDevNames
73     DriverPos As Integer
74     DevicePos As Integer
75     OutputPos As Integer
76 End Type
77
78 Type zwtCntrFontInfo
79     stName As String
80     iSize As Integer
81     iWeight As Integer
82     fItalic As Integer
83     fUnderline As Integer
84     rgbForeColor As Long
85     rgbBackColor As Long
86 End Type
87
88
89 Type zwtDataSource
90     name As String
91     fType As Integer
92     Size As Long
```

```
93     stFormat As String
94     stCaption As String
95     iSect As Integer
96     Base As String
97     BaseField As String
98 End Type
99
100 Type zwState
101     iCurrent As Integer
102     iNext As Integer
103     iPrev As Integer
104     iLast As Integer
105     iDataRec As Integer
106     fnValidate As String
107     fnOnEnter As String
108     fnOnExit As String
109 End Type
110
111
112 Global zwCurState As zwState
113
114
115
116
117
118
119
120 Global zwvOpenPopup As Integer
121 Global zwFrmWizCur As Form
122 Global zwCurFrmName As String
123 Global zwRecordSource As String
124
125 Global zwRsState As Recordset
126 Global zwRsData As Recordset
127 Global zwrsMsg As Recordset
128
129
130 Global zwrgAllFields() As zwtDataSource
131 Global zwcAllFields As Integer
132
133 Global zwdxDefaultTextbox As Integer
134
135 Global zwfFormStyles As Integer
136
137
138
139
140
141
142
143
```

```
144
145 Declare Function zwGetTextMetrics Lib "GDI" Alias "#93" (ByVal hdc As Integer,
    lpMetrics As zwtTextMetrics) As Integer
146 Declare Function zwGetTextFace Lib "GDI" Alias "#92" (ByVal hdc As Integer,
    ByVal nCount As Integer, ByVal stFace As String) As Integer
147 Declare Function zwCreateDC Lib "GDI" Alias "#53" (ByVal szDriver As String,
    ByVal szDevice As String, ByVal szOutput As String, ByVal lpNull As Long) As
    Integer
148 Declare Function zwDeleteDC Lib "GDI" Alias "#68" (ByVal hdc As Integer) As
    Integer
149 Declare Function zwfIsAlphaNumeric Lib "USER" Alias "#434" (ByVal cChar As
    Integer) As Integer
150 Declare Function zwGetSysColor Lib "USER.EXE" Alias "#180" (ByVal nDspElement
    As Integer) As Long
151
152 Declare Function zwfEscape Lib "GDI" Alias "#38" (ByVal hdc As Integer, ByVal
    nEscape As Integer, ByVal cbInput As Integer, lpInData As Any, lpOutput As
    Integer) As Integer
153
154 Global zwCodeDB As Database
155
```

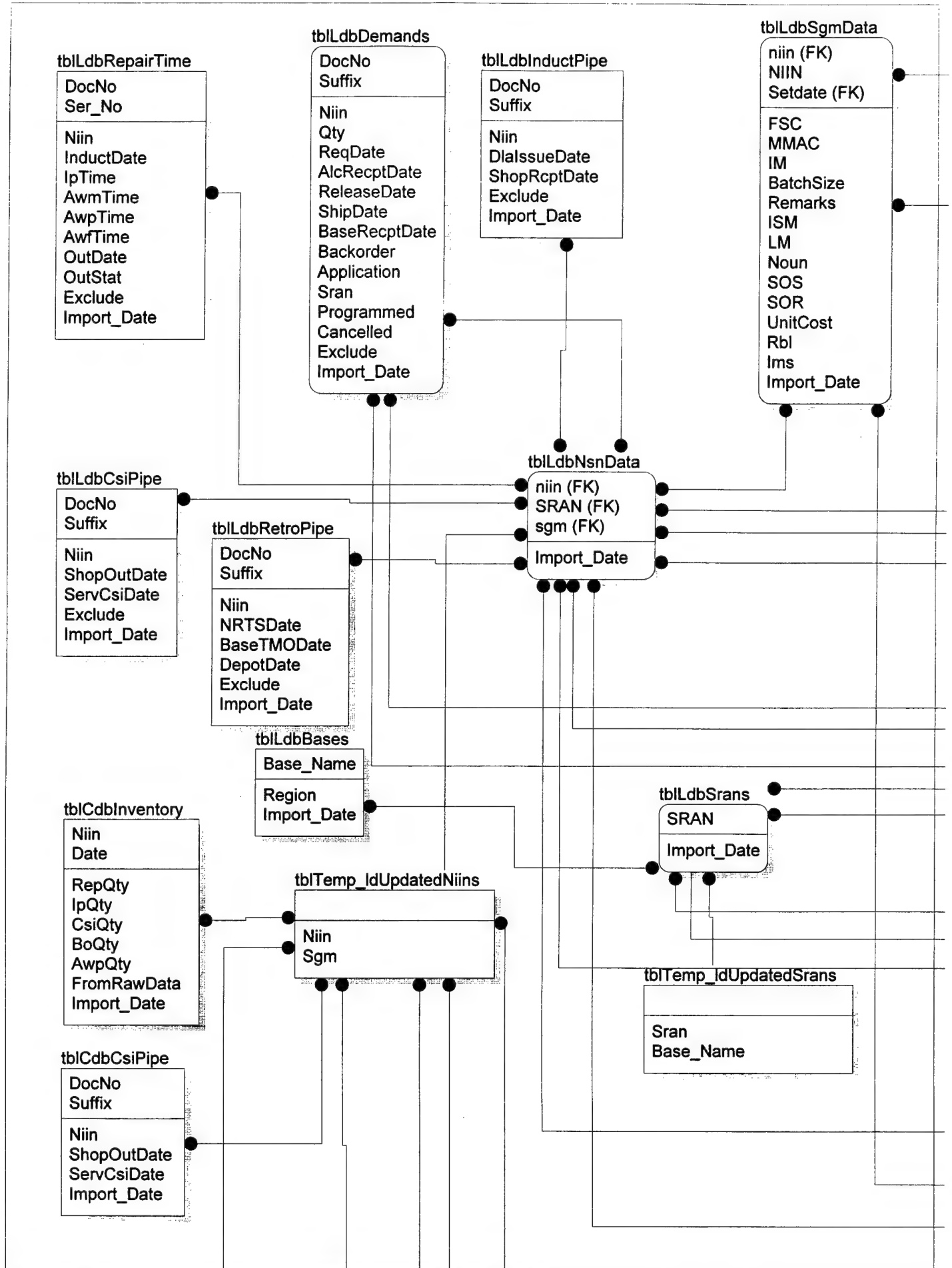
#### User Permissions

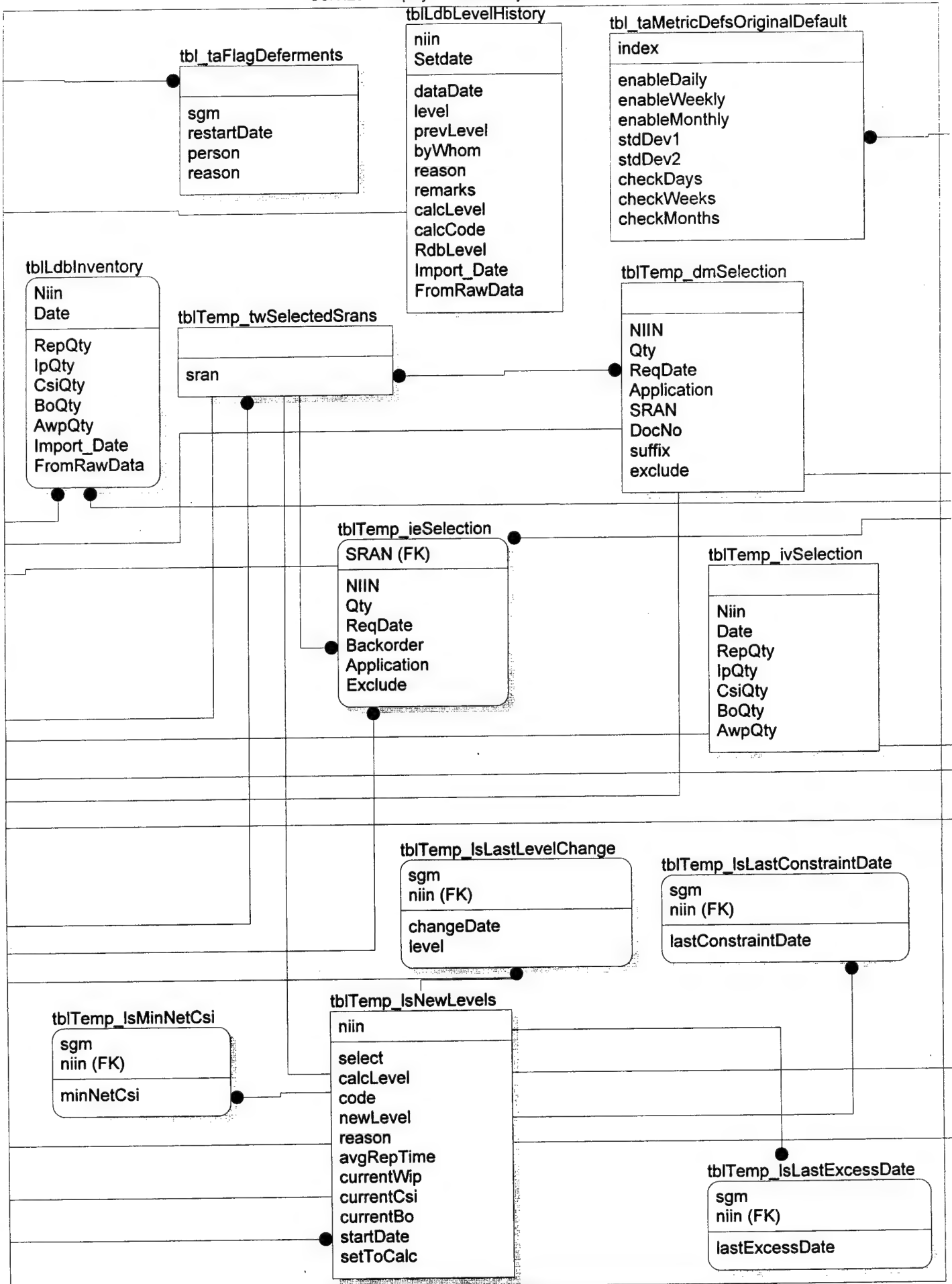
admin	
Analyst	
God	Delete, Read Permissions, Set Permissions, Change Owner
guest	
ItemMgr	
SysOp	

#### Group Permissions

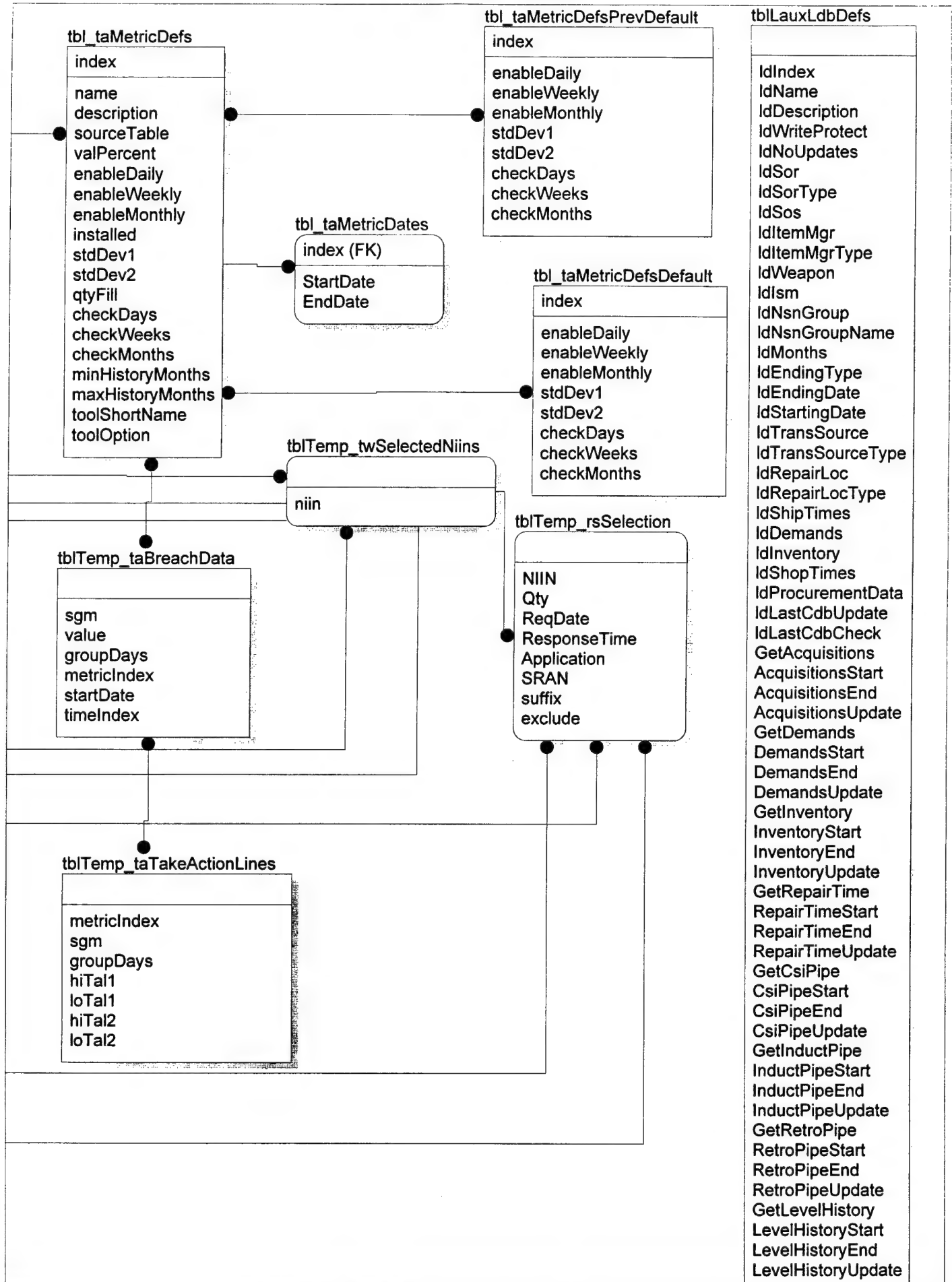
Admins	Read Permissions, Set Permissions
Analysts	
Gods	Delete, Set Permissions, Change Owner
Guests	
ItemMgrs	
SysOps	
Users	Read Permissions

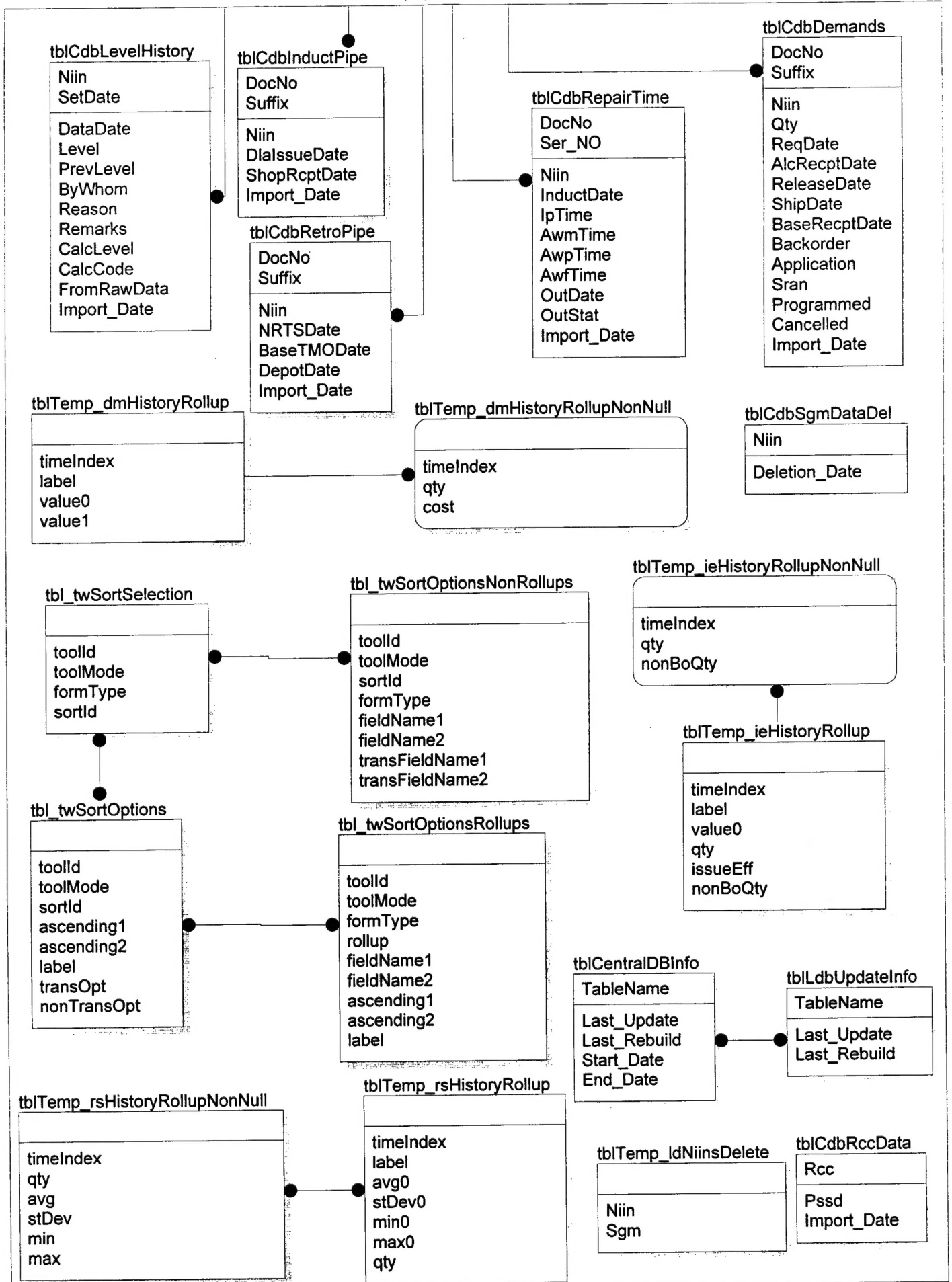
**Relationships within the  
Consolidated Serviceable Inventory  
Visibility and Management Tool  
(CSIViz)  
User Program  
and  
Central and Local  
Databases**











tbl\_deCurrentLdbDef

IdName  
IdDescription  
IdWriteProtect  
IdNoUpdates  
IdSor  
IdSorType  
IdSos  
IdItemMgr  
IdItemMgrType  
IdWeapon  
IdIsm  
IdNsnGroup  
IdNsnGroupName  
IdMonths  
IdEndingType  
IdEndingDate  
IdStartingDate  
IdTransSource  
IdTransSourceType  
IdRepairLoc  
IdRepairLocType  
IdShipTimes  
IdDemands  
IdInventory  
IdShopTimes  
IdProcurementData

tblLauxSgmData

Niin  
Fsc  
Mmac  
Im  
BatchSize  
Remarks  
Ism  
Lm  
Noun  
Sos  
Sor  
UnitCost  
Rbl  
Ims  
Import\_Date

tblModificationHistory

Date  
ByWhom  
Version  
Objects Changed  
Description

tblToolNames

id  
shortName  
longName  
menuMode  
menuIndex  
description  
stdToolForms  
hasTrans  
hasValues  
hasSources  
demandTransactions  
installed  
dataAvailable  
needAcquisitions  
needDemands  
needInventory  
needLevelHistory  
needRepairTime  
needCsiPipe  
needInductPipe  
needRetroPipe  
excludeTable

tblLauxNewLevels

niin  
setDate  
dataDate  
level  
prevLevel  
byWhom  
reason  
remarks  
calcLevel  
calcCode

tblCdbSgmData

Niin  
Fsc  
Mmac  
BatchSize  
Remarks  
Ism  
Noun  
UnitCost  
Rbl  
Ims  
Import\_Date

tblLauxRccIsmXref

Rcc  
Niin  
ContractRepair  
Import\_Date

tblStaticVars

Welcome  
OnlyItemsWithTrans  
OnlySourcesWithTrans  
ExcludeTrans  
AutoUpdate  
taSummaryDisplayLevel  
taSummaryDisplayDeferments  
taltemDisplayAllFlags  
taDisplayTriggersPopup  
IsSaveOnlyChanges  
IsRecalcMinReductionDays  
IsRecalcReductionFactor  
IdCurrentLdbId  
deCdbInitialized  
FirstRun  
CdbEnabled

tblTemp\_ivHistoryRollupMultiLine

timeIndex  
label  
value0  
value1  
value2  
value3  
value4

tblTemp\_ivHistoryRollupRangeBar

timeIndex  
label  
avg0  
min0  
max0  
stdev0

tbl\_IdHistTables

TableName  
DateField  
StartDate  
EndDate  
LimitEnd  
SranField  
NiinField

tblCdbIsmData

Niin  
Sos  
Ims\_Dir  
Ims\_Branch  
Ims\_Mgr  
Import\_Date

tblToolNamesOriginalXXX

id  
shortName  
longName  
menuMode  
menuIndex  
description  
stdToolForms  
hasTrans  
hasValues  
demandTransactions  
installed  
dataAvailable  
needAcquisitions  
needDemands  
needInventory  
needLevelHistory  
needRepairTime

tbl\_taMetricDefsLastUsed

index  
enableDaily  
enableWeekly  
enableMonthly  
stdDev1  
stdDev2  
checkDays  
checkWeeks  
checkMonths

tblCdbDemandsDel

DocNo  
Suffix  
Deletion\_Date

tblLdbAcquisitions

DocNo  
Niin  
Qty  
ReqDate  
RecptDate  
Exclude  
Import\_Date

tbl\_taTestDefsXXX

metric  
index  
name  
label  
lowTal  
highTal  
lowTalDefault  
highTalDefault

tblDataTableDefs

Name  
datesRequired  
DateFieldName  
transExclusion  
installed  
KeyCount  
KeyField1  
KeyField2

tblCdbRccIsmXref

Rcc  
Niin  
ContractRepair  
Import\_Date

tblTemp\_ivHistoryRollupValueBar

timeIndex
label
value0

tblLauxIsmData

Niin
Sos
Ims_Dir
Ims_Branch
Ims_Mgr
Import_Date

tblCdbRccIsmXRefDel

Rcc
Niin
Deletion_Date

tblCdbPssdData

Pssd
Shop
Import_Date

tblTemp\_taTalData

sgm
timeIndex
value

tblCdbIsmDataDel

Niin
Deletion_Date

tblCdbInventoryDel

Niin
Date
Deletion_Date

tblTemp\_IdSransDelete

Sran
Base_Name

tblCdbNsnData

niin
sgm
Import_Date

tblCdbBases

BASE_NAME
REGION
IMPORT_DATE

tblCdbRblHistoryDel

Niin
Date
Deletion_Date

tblCdbInductPipeDel

DocNo
Suffix
Deletion_Date

tblCdbLevelHistoryDel

Niin
SetDate
Deletion_Date

tblTemp\_deSorList

Sor
-----

tbl\_ivCalculations

CalcId
CalcName
SgmOnly
FieldName

tblLauxRccData

Rcc
Pssd
Import_Date

tblLauxShopData

Shop
Sor
Import_Date

tblCdbSransDel

SRAN
Deletion_Date

tblCdbRepairTimeDel

DocNo
Ser_NO
Deletion_Date

tblCdbSrans

SRAN
BASE_NAME
IMPORT_DATE

tblCdbBasesDel

BASE_NAME
Deletion_Date

tblLauxUpdateInfo

TableName
Last_Update
Last_Rebuild

tbl\_deAlcList

Symbol
City
Base

tblCdbRblHistory

Niin
Date
Rbl
FromRawData
Import_Date

tbl\_IsCalcCodeDefs

calcCode
definition

tbl\_deBlank

Blank
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tblTemp\_IdSransAdd

Sran
Base_Name

tbl\_taDateRange

StartDate
EndDate

tblCdbRetroPipeDel

DocNo
Suffix
Deletion_Date

tblTemp\_IdNiinsAdd

Niin
Sgm

tblLdbDailyLevels

niin
Date
level
Import_Date

tblLauxPssdData

Pssd
Shop
Import_Date

tblCdbShopData

Shop
Sor
Import_Date

tblLauxSrans

Sran
Base_Name
Import_Date

tblLauxNsnData

niin
sgm
Import_Date

tblCdbNsnDataDel

niin
Deletion_Date

tblCdbCsiPipeDel

DocNo
Suffix
Deletion_Date

tblLauxBases

Base_Name
Region
Import_Date

